



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Global Performance Windows, Inc. dba Epsylon, USA
2115 S. W. 2nd Street
Pompano, FL 33069

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "EUSA SD-20" Aluminum Sliding Glass Door-S.M.I.

APPROVAL DOCUMENT: Drawing No. EUSA MDC-002, titled "Series EUSA SD-20 Aluminum Sliding Glass Door (S.M.I.)", sheets 1 through 20 of 20 dated 12/04/14, prepared by Paramount Consulting & Engineering, signed and sealed by Cesar I. Soto, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

Limitations:

1. See Sheets 02 thru 04 & sheet 10 (shim gaps) for Allowable Design Pressure for **System 1 (HD)** and sheets 05 thru 07 & sheet 11 (shim gaps) for Allowable Design Pressure for **System 2**. Lower capacity from head, sill or jamb (shim gaps) shall control for the entire assembly.
2. Window Wall System is not a part of this approval, when SGD is mulled to such system, Authority Having Jurisdiction (AHJ) to review & approve such system for structural adequacy, limitations and attachments.
3. See sheet 04 for **System 1** glazing detail GT-B and sheet 07 for **System 2** glazing detail GT-A.
4. See sheet 08 for applicable head/sill anchors and sheet 09 for applicable jamb anchors.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Quebec, Canada and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 14-0331.03
Expiration Date: December 11, 2019
Approval Date: December 11, 2014
Page 1

12/11/14

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No. **EUSA MDC-002**, titled "Series EUSA SD-20 Aluminum Sliding Glass Door (S.M.I.)", sheets 1 through 20 of 20 dated 12/04/14, prepared by Paramount Consulting & Engineering, signed and sealed by Cesar I. Soto, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum SD-20 sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL-7349**, dated 07/05/2013, signed & sealed by Jorge A. Naya Jr., P.E. and Adalms Ortega, P. E.

&
along with marked-up drawings and installation diagram of an aluminum SD-10 sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL-7157**, dated 03/05/2013, signed & sealed by Adalms Ortega, P. E.

Note: The above test reports have addendum letter dated 08/04/14, issued by Fenestration Testing lab

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Paramount Consulting & Engineering dated 03/24/14, 07/21/14, 10/27/14 and last revised on 12/03/14, signed and sealed by Cesar I. Soto, P.E.
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **12-1231.10** issued Eastman Chemical Company (MA) former Solutia Inc. for "**Saflex clear & color glass interlayer**", expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of conformance and letter of no financial interest both dated 03/24/14, prepared by Paramount Consulting & Engineering, signed and sealed by Cesar I. Soto, P.E.
2. Lab compliance as part of the above referenced test report.
3. Distribution agreement Epsilon Concept, Inc., Quebec, Canada and Globe Performance Inc., dba Epsilon, USA, Pompano Beach Florida, dated 10/11/14, signed by Jean LeFrancois and Gabreil Matteau, respectively on behalf of the companies.
4. Statement letter dated 12/08/14, issued by Epsilon Aluminum & Engenieirie, Canada that test reports **FTL-7157, 7657 & 7349** are property of Epsilon Concept, Inc., signed by Jean Lefrancois.

G. OTHER

1. Test proposal #**12-1861** & #**13-0367**, approved by RER.
2. Globe Performance Window Inc., active status listing with Florida Depart of State, Div. of Corporation.
3. Epsilon USA, Fictitious active status listing of Globe Performance Windows, Inc., with Florida Depart of State, Div. of Corporation.


Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 14-0331.03

Expiration Date: December 11, 2019

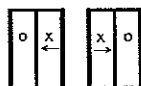

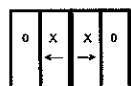
Approval Date: December 11, 2014

GLOBAL PERFORMANCE WINDOWS, INC.
SERIES EUSA SD-20 ALUMINUM
SLIDING GLASS DOOR
SMALL MISSILE IMPACT
APPROVAL DRAWINGS

APPROVAL USE INSTRUCTIONS

1. DETERMINE APPLICABLE PROJECT WINDLOADS PER FBC APPROVED METHODS
2. VERIFY GLASS CAPACITY BASED ON DIMENSIONS AND NOT TO EXCEED PRESSURES AS INDICATED ON SHEETS 02 TO 07.
3. SELECT SYSTEM 1 OR SYSTEM 2 PER APPLICABLE SIZE AND DESIGN PRESSURE.
4. SELECT REQUIRED FASTENERS FOR SYSTEM 1 OR SYSTEM 2 BASED OF SUBSTRATE PER SHEETS 8 AND 9
5. BASED ON ANCHOR TYPE (ACCORDING TO STEP 4) AND SHIM SPACE, USE THE TABLES 1-1, 1-2 AND 1-3 ON SHEET 10 FOR SYSTEM 1 OR 2-1, 2-2 AND 2-3 ON SHEET 11 FOR SYSTEM 2, TO DETERMINE THE CONTROLLING DESIGN PRESSURE FOR THE SYSTEM.
6. THE LOWEST PRESSURE FROM STEPS 2 THROUGH 5 ABOVE SHALL CONTROL THE ALLOWABLE PRESSURE FOR THE OPENING.
7. WHEN THIS DOOR IS CONNECTED TO A WINDOW SYSTEM (UNDER SEPERATE APPROVAL), THE MINIMUM ALLOWABLE PRESSURE BETWEEN THIS NOA AND SEPARATE WINDOW NOA SHALL CONTROL THE ALLOWABLE PRESSURE FOR THE ENTIRE OPENING. THIS CONDITION TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION (AHJ)

GENERAL NOTES

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 EDITION, INCLUDING THE REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES (HVHZ).
2. THIS PRODUCT IS AN ALUMINUM SLIDING GLASS DOOR, SMALL MISSILE IMPACT RESISTANT, THAT CAN BE USED AT ELEVATIONS ABOVE 30'-0" OF GRADE LEVEL WITHOUT HURRICANE PROTECTIVE SHUTTERS. SHUTTERS ARE REQUIRED FOR ELEVATIONS BELOW 30'-0" ABOVE GRADE LEVEL.
3. THIS APPROVAL APPLIES TO TWO SLIDING GLASS DOOR SYSTEMS. SYSTEM 1 AND SYSTEM 2 (REFER TO ELEVATIONS FOR SIZES AND DESIGN PRESSURES). EACH SYSTEM IS APPROVED WITH THE FOLLOWING CONFIGURATIONS:
 - 3.1. 2 PANEL DOOR, XO OR OX

 - 3.2. 3 PANELS DOOR, OXO RIGHT OR OXO LEFT

 - 3.3. 4 PANEL DOOR, OXXO

 - 3.4. THIS SLIDING GLASS DOOR MAY BE USED IN CONJUNCTION WITH SMALL MISSILE IMPACT RESISTANT MULLIONS THAT MAY OR MAY NOT BE PART OF A SEPARATE WINDOW SYSTEM. THE TESTED MULLION MUST HAVE A VALID MIAMI-DADE OR FLORIDA STATE PRODUCT APPROVAL ALLOWING SEPARATE SYSTEMS TO BE CONNECTED TO IT. THE LOWER ALLOWABLE PRESSURE BETWEEN THE MULLION SYSTEM WITH SEPARATE APPROVAL AND THIS SLIDING GLASS DOOR SHALL APPLY TO THE ENTIRE SYSTEM. THE STRUCTURAL ADEQUACY OF THE INTERACTION AND ATTACHMENTS OF THE TWO SYSTEMS IS TO BE REVIEWED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
4. DESIGN LOAD RATING FOR THIS PRODUCT TO BE AS PER SYSTEM 1 (SHEETS 2 & 3) OR SYSTEM 2 (SHEETS 5 & 6).
5. THE DESIGN LOADS OF THE LOCATION WHERE THE PRODUCT WILL BE USED MUST BE CERTIFIED BY A PROFESSIONAL ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA FOR EACH SPECIFIC PROJECT.
6. ANCHORING OR LOADING CONDITIONS NOT SHOWN ON THE DETAILS HEREIN INCLUDED ARE NOT PART OF THIS APPROVAL. ANY DEVIATION, IN HVHZ, WILL REQUIRE A ONE-TIME PRODUCT APPROVAL FROM MIAMI-DADE COUNTY (PRODUCT CONTROL SECTION)
7. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY:
 - 7.1. THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE INSTALLED TO ENSURE PROPER ANCHORAGE
 - 7.2. THE PROJECT DESIGN CRITERIA AND APPLICABLE CODES AND ORDINANCES
 - 7.3. THE ADEQUACY AND APPLICABILITY OF THIS APPROVAL.

8. ANCHORS SHALL BE AS LISTED IN THIS DOCUMENT AND SPACED AS INDICATED ON SHEETS 02 AND 03 FOR SYSTEM 1 OR 05 AND 06 FOR SYSTEM 2. LISTED EMBEDMENT SHALL BE BEYOND EXTERIOR OR INTERIOR FINISH OF SUBSTRATES. A LOAD DURATION INCREASE HAS BEEN USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
9. ALUMINUM: ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALLOY MINIMUM EXCEPT WHERE OTHER WISE INDICATED. PLEASE REFER TO SHEET 18 FOR BILL OF MATERIALS.
10. GLASS: THIS PRODUCT IS APPROVED TO BE GLAZED WITH THE FOLLOWING GLASS COMPOSITIONS:
 - 10.1. GT-A. 7/16 " THK. LAMINATED GLASS ON SYSTEM 2:
3/16 "THK. FULLY TEMPERED + .060" SAFLEX PVB BY EASTMAN CHEMICAL CO. (MA)
+ 3/16 " FULLY TEMPERED (SEE SHEETS 5 & 6)
 - 10.2. GT-B. 9/16 " THK. LAMINATED GLASS ON SYSTEM 1:
1/4 " THK. FULLY TEMPERED + .060" SAFLEX PVB BY EASTMAN CHEMICAL CO. (MA)
+ 1/4 " FULLY TEMPERED. (SEE SHEETS 2 & 3)

DRAWINGS INDEX

SHEET	TITLE	REV	DATE
01	COVER SHEET	3	11/25/2014
02	SYSTEM 1 GENERIC ELEVATION OXO	3	11/25/2014
03	SYSTEM 1 GENERIC ELEVATION OX	3	11/25/2014
04	SYSTEM 1 APPROVED CONFIGURATIONS	3	11/25/2014
05	SYSTEM 2 GENERIC ELEVATION OXO	3	11/25/2014
06	SYSTEM 2 GENERIC ELEVATION OX	3	11/25/2014
07	SYTEM 2 APPROVED CONFIGURATIONS	3	11/25/2014
08	HEAD/SILL ANCHORAGE SCHEDULE	3	11/25/2014
09	JAMB ANCHORAGE SCHEDULE	3	11/25/2014
10	SYSTEM 1. ANCHORAGE CAPACITY	3	11/25/2014
11	SYSTEM 2. ANCHORAGE CAPACITY	3	11/25/2014
12	SYSTEM 1. INSTALLATION DETAILS	3	11/25/2014
13	SYSTEM 1. INSTALLATION DETAILS	3	11/25/2014
14	SYSTEM 1. INSTALLATION DETAILS	3	11/25/2014
15	SYSTEM 2. INSTALLATION DETAILS	3	11/25/2014
16	SYSTEM 2. INSTALLATION DETAILS	3	11/25/2014
17	SYSTEM 2. INSTALLATION DETAILS	3	11/25/2014
18	BILL OF MATERIALS	3	11/25/2014
19	ALUMINUM EXTRUSION DIMENSIONS	3	11/25/2014
20	ISOMETRIC VIEWS	3	11/25/2014

GLOBAL PERFORMANCE
WINDOWS, INC.
DBA EPSYLON USA

1881 S.W. 3RD STREET
POMPANO BEACH, FL 33069
PH: 954.942.3322
FAX: 954.942.3215
www.epsylon.ca

PROJECT NAME

ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE

COVER SHEET

SCALE:

PREPARED BY:
EPSYLON USA

DRAWN BY:
JD

ISSUE DATE:
3/22/2014

ISSUE DATE:
-

DRAWING REVISION LOG

No.	Date	Revised
01	6/19/14	PER REVEAER COMMENTS
02	10/10/14	PER REVEAER COMMENTS
03	11/25/14	PER REVEAER COMMENTS

ENGINEER:



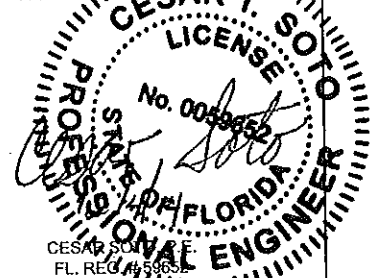
PARAMOUNT

CONSULTING & ENGINEERING

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MIAMI, FL 33015
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AND ENGINEERING



DWG No.

EUSA MDC-002

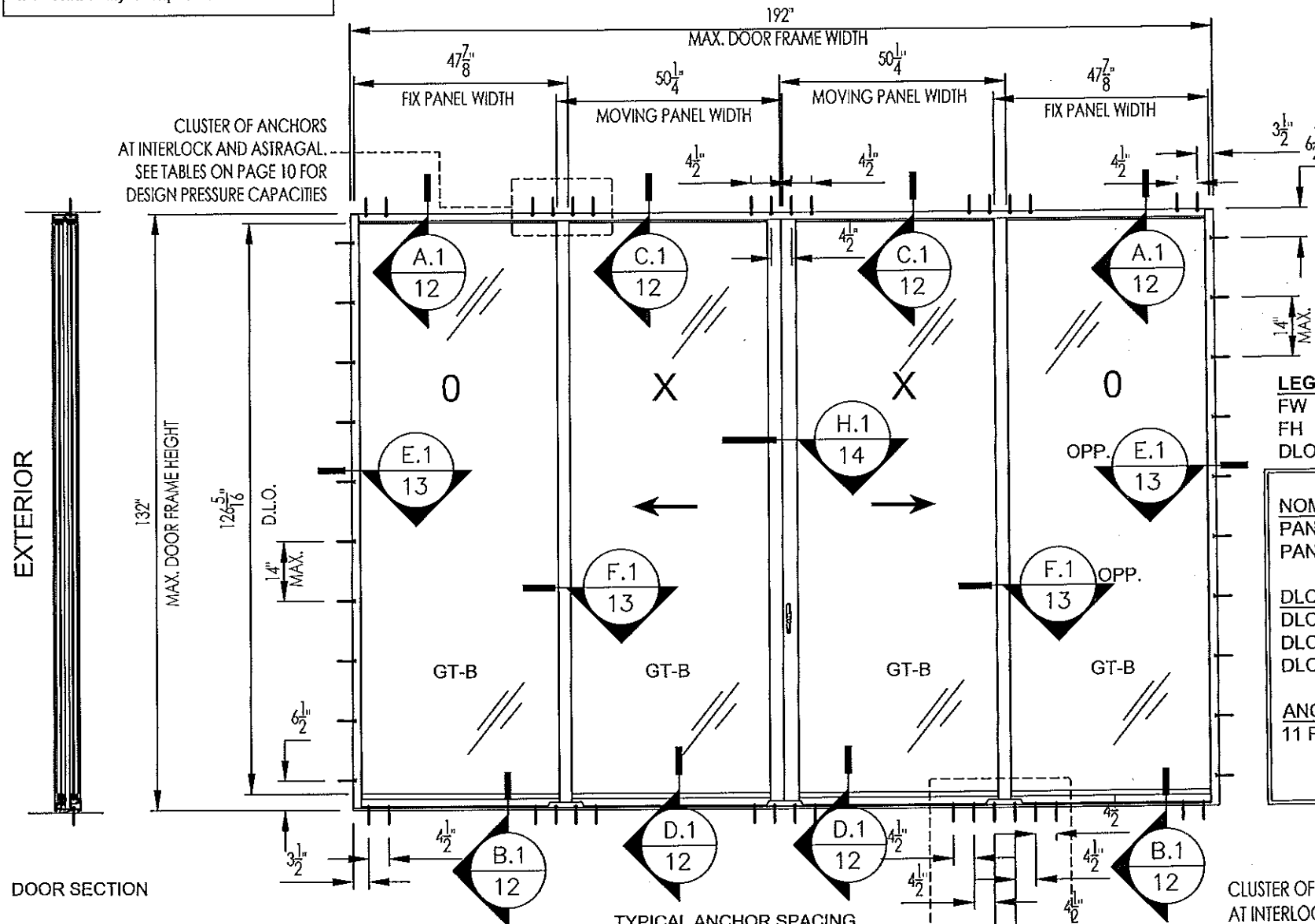
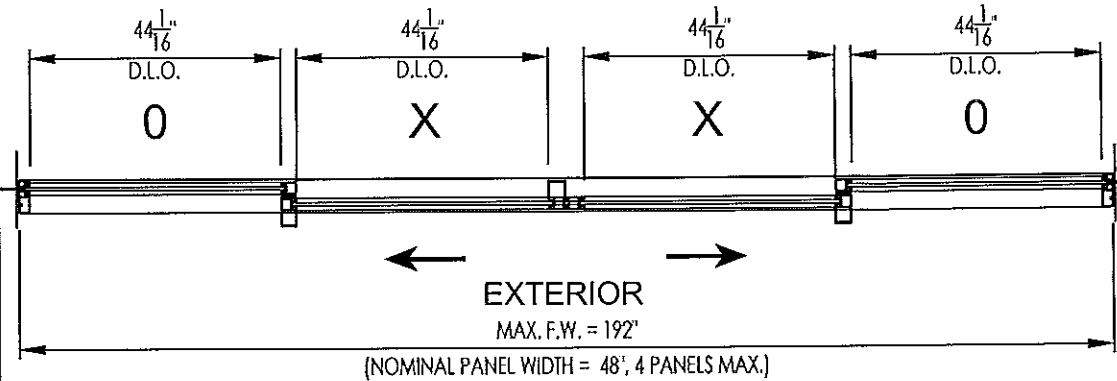
SHEET 01 of 20

SYSTEM 1

DOOR WITH HEAVY INTERLOCKS

**MAXIMUM ALLOWABLE
DESIGN PRESSURE**
Pd= +110 PSF
-160 PSF

GLASS TYPE: GT-B
- 9/16" Thk. laminated glass
1/4" Thk. Fully Tempered + .060" Saflex
by Eastman Chemical Co.(MA) +
1/4" Thk. Fully Tempered



LEGEND FOR DOOR SIZES:
FW = FRAME WIDTH
FH = FRAME HEIGHT
DLO = DAYLIGHT OPENING

NOMINAL PANEL SIZE
PANEL WIDTH = FRAME WIDTH / NUMBER OF PANELS
PANEL HEIGHT = FRAME HEIGHT (FH) - 1.375"

DLO SIZE:
DLO WIDTH = FIXED PANEL WIDTH - 3.8125"
DLO WIDTH = OPERABLE PANEL WIDTH - 6.1875"
DLO HEIGHT = F.H. - 5.6875"

ANCHOR SCHEDULE: REFER TO SHEETS 08 THROUGH 11 FOR SCHEDULE.

GLOBAL PERFORMANCE WINDOWS SLIDING GLASS DOOR
SERIES EUSA SD-20. GENERIC ELEVATION.

**GLOBAL PERFORMANCE
WINDOWS, INC.
DBA EPSYLON USA**

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www.epsylon.ca

PROJECT NAME
ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE
SYSTEM 1
GENERIC ELEVATION
OXXO
SCALE: 3/8" = 1' - 0"

PREPARED BY: EPSILON USA
ISSUE DATE: 3/22/2014
DRAWN BY: JD
ISSUE DATE:

DRAWING REVISION LOG		
No.	Date	Revisions
01	8/19/14	PER REVIEWER COMMENTS
02	10/10/14	PER REVIEWER COMMENTS
03	11/25/14	PER REVIEWER COMMENTS

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CHECKED FOR STRUCTURAL
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PARAMOUNT CONSULTING
AND ENGINEERING, INC.
CEASAR J. SOTO
No. 0059652
FLORIDA
REGISTERED PROFESSIONAL ENGINEER

DWG No.
EUSA MDC-002
SHEET 02 of 20

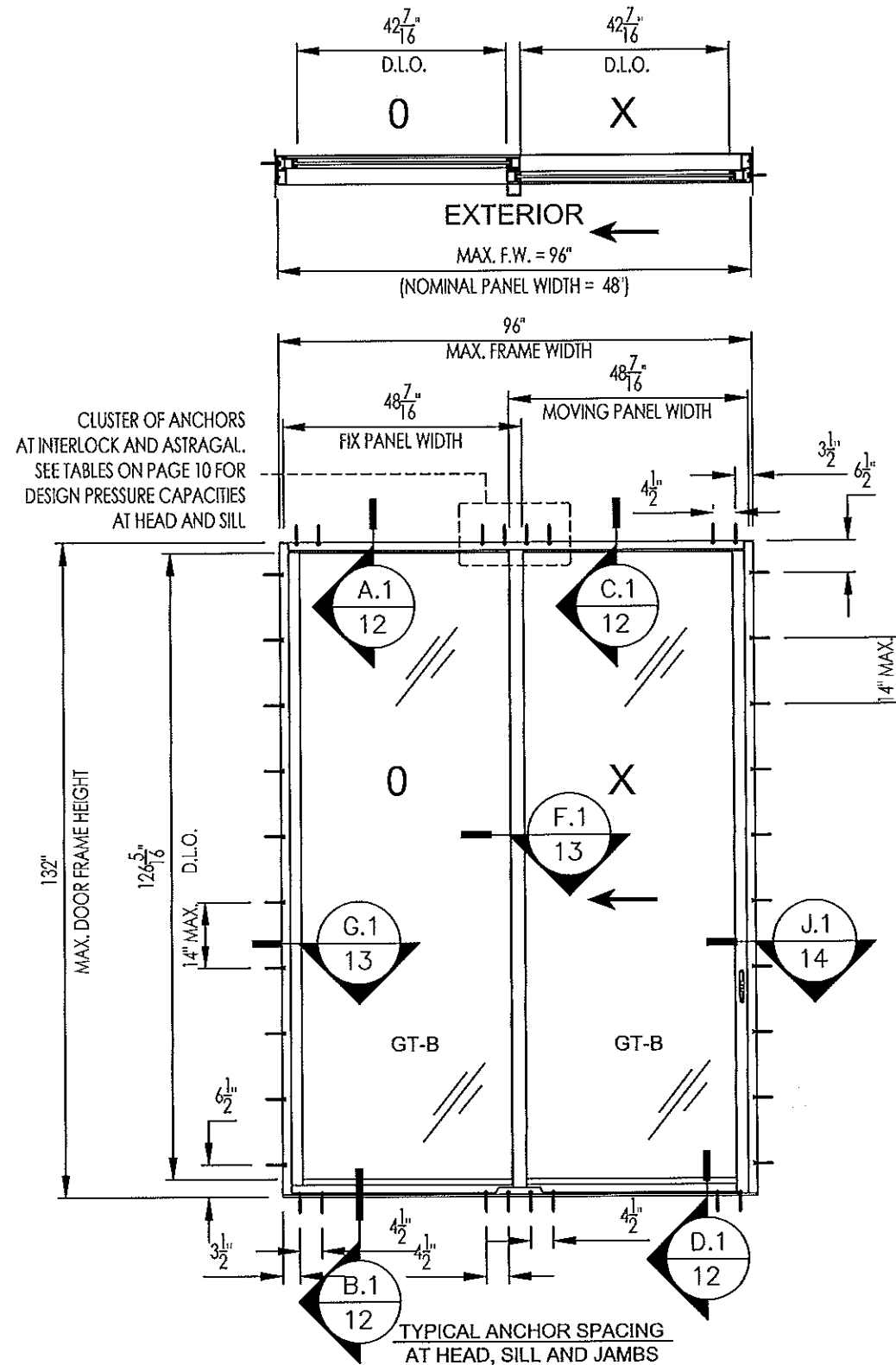
SYSTEM 1

DOOR WITH
HEAVY INTERLOCKS

MAXIMUM ALLOWABLE
DESIGN PRESSURE
Pd= +110 PSF
-160 PSF
GLASS TYPE: GT-B
-9/16" Thk. laminated glass
1/4" Thk. Fully Tempered + .060" Saflex
by Eastman Chemical Co.(MA) +
1/4" Thk. Fully Tempered

EXTERIOR

DOOR SECTION



GLOBAL PERFORMANCE WINDOWS SLIDING GLASS DOOR
SERIES EUSA SD-20. GENERIC ELEVATION.

LEGEND FOR DOOR SIZES:
FW = FRAME WIDTH
FH = FRAME HEIGHT
DLO = DAYLIGHT OPENING

NOMINAL PANEL SIZE:
PANEL WIDTH = FRAME WIDTH / NUMBER OF PANELS
PANEL HEIGHT = FRAME HEIGHT (FH) - 1.375"

DLO SIZE
DLO WIDTH = FIXED PANEL WIDTH - 6"
DLO WIDTH = OPERABLE PANEL WIDTH - 6"
DLO HEIGHT = F.H. - 5.6875"

ANCHOR SCHEDULE: REFER TO SHEETS 08 THROUGH 11
FOR SCHEDULE.

**GLOBAL PERFORMANCE
WINDOWS, INC.
DBA EPSYLON USA**

1881 S.W. 3RD STREET
POMPANO BEACH, FL 33069
PH: 954.942.3322
FAX: 954.942.3215
www.epsylon.ca

PROJECT NAME
ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE
SYSTEM 1
GENERIC ELEVATION
OX (SHOWN)
SCALE: 3/8" = 1' - 0"

PREPARED BY: EPSILON USA
ISSUE DATE: 3/22/2014
DRAWN BY: JD
ISSUE DATE:

DRAWING REVISION LOG

No.	Date	Revisions
01	6/19/14	PER REVIEWER COMMENTS
02	10/10/14	PER REVIEWER COMMENTS
03	11/25/14	PER REVIEWER COMMENTS

ENGINEER:

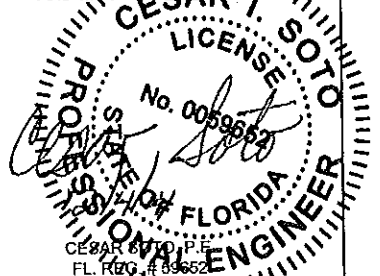


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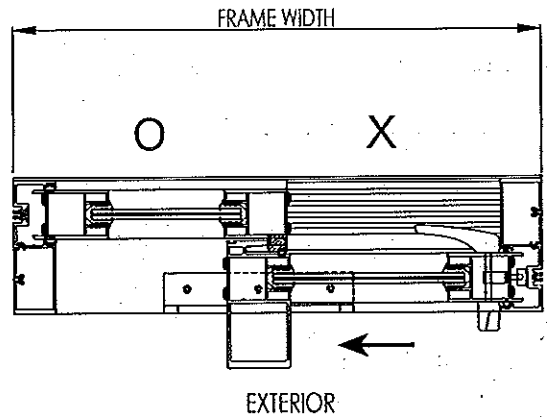
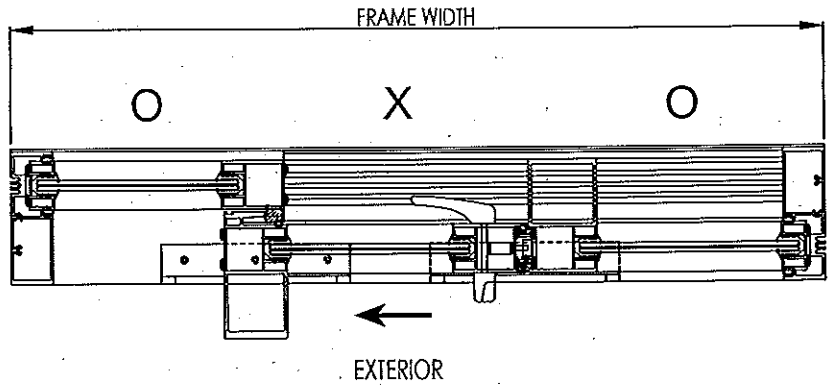
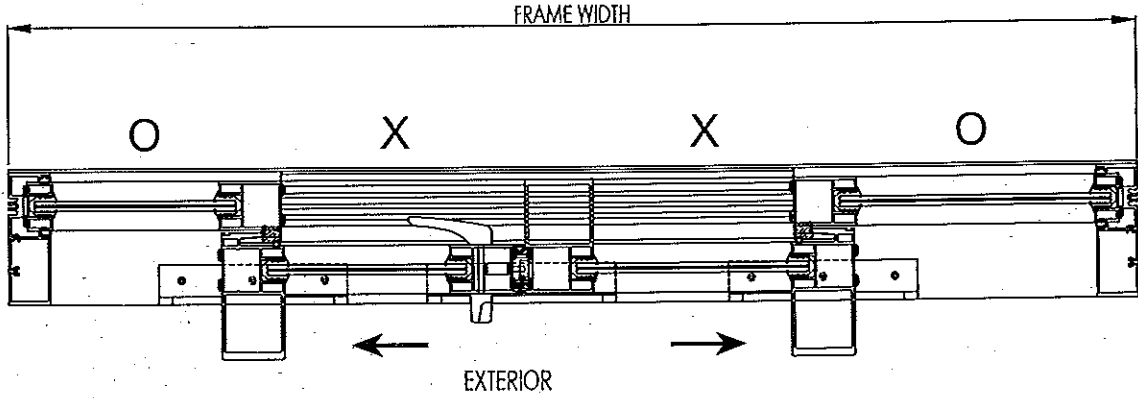
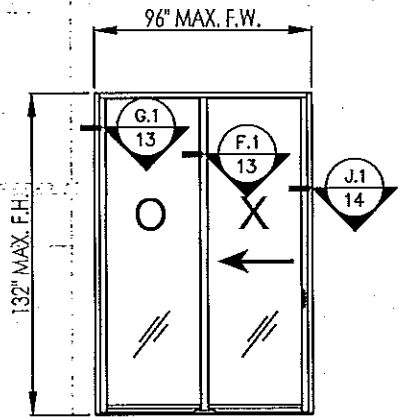
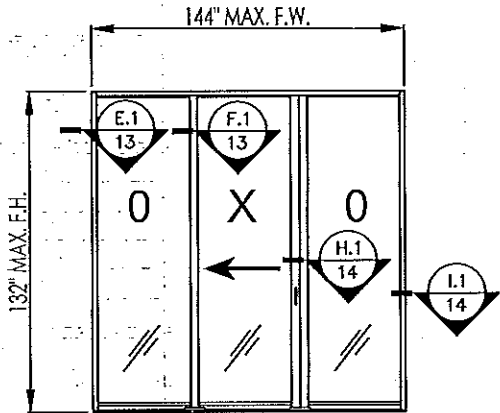
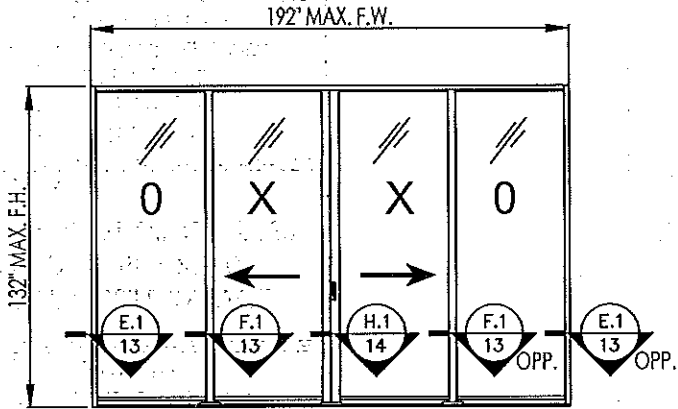
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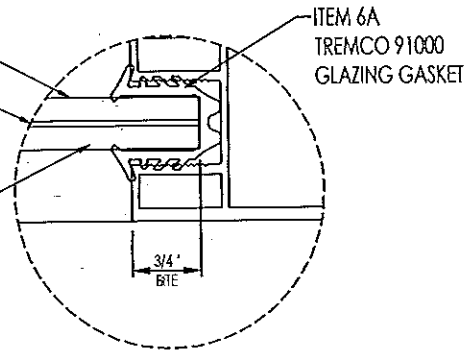
DWG No.
EUSA MDC-002
SHEET 03 of 20

SYSTEM 1 DOOR WITH
HEAVY INTERLOCKS

EPSYLON ALUMINUM SLIDING GLASS DOOR
SERIES SD-20. TYPICAL APPROVED CONFIGURATIONS
MAX. Pd +110 -160 PSF



1/4" THK. FULLY TEMPERED GLASS
0.060" THK. SAFLEX PVB
BY EASTMAN CHEMICAL CO (MA)
1/4" THK. FULLY TEMPERED GLASS



GT-B
9/16" THK. LAMINATED GLASS
GLAZING DETAIL

Approved as complying with the
Florida Building Code
Date 12/11/14
NOA# 14-0331-03
Miami Dade Product Control
By [Signature]

GLOBAL PERFORMANCE
WINDOWS, INC.
DBA EPSYLON USA

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www.epsylon.ca

PROJECT NAME
ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE
SYSTEM 1
APPROVED
CONFIGURATIONS
SCALE: N.T.S.

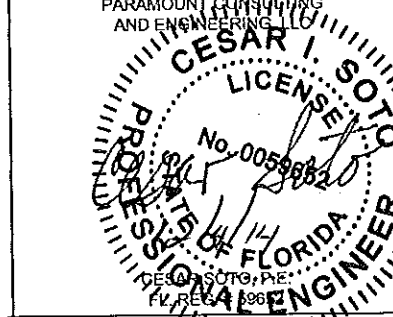
PREPARED BY:
EPSILON USA
DRAWN BY:
JD
ISSUE DATE:
3/22/2014
ISSUE DATE:

DRAWING REVISION LOG		
No.	Date:	Revised
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03	11/25/14	PER REVIEWER COMMENTS

ENGINEER:

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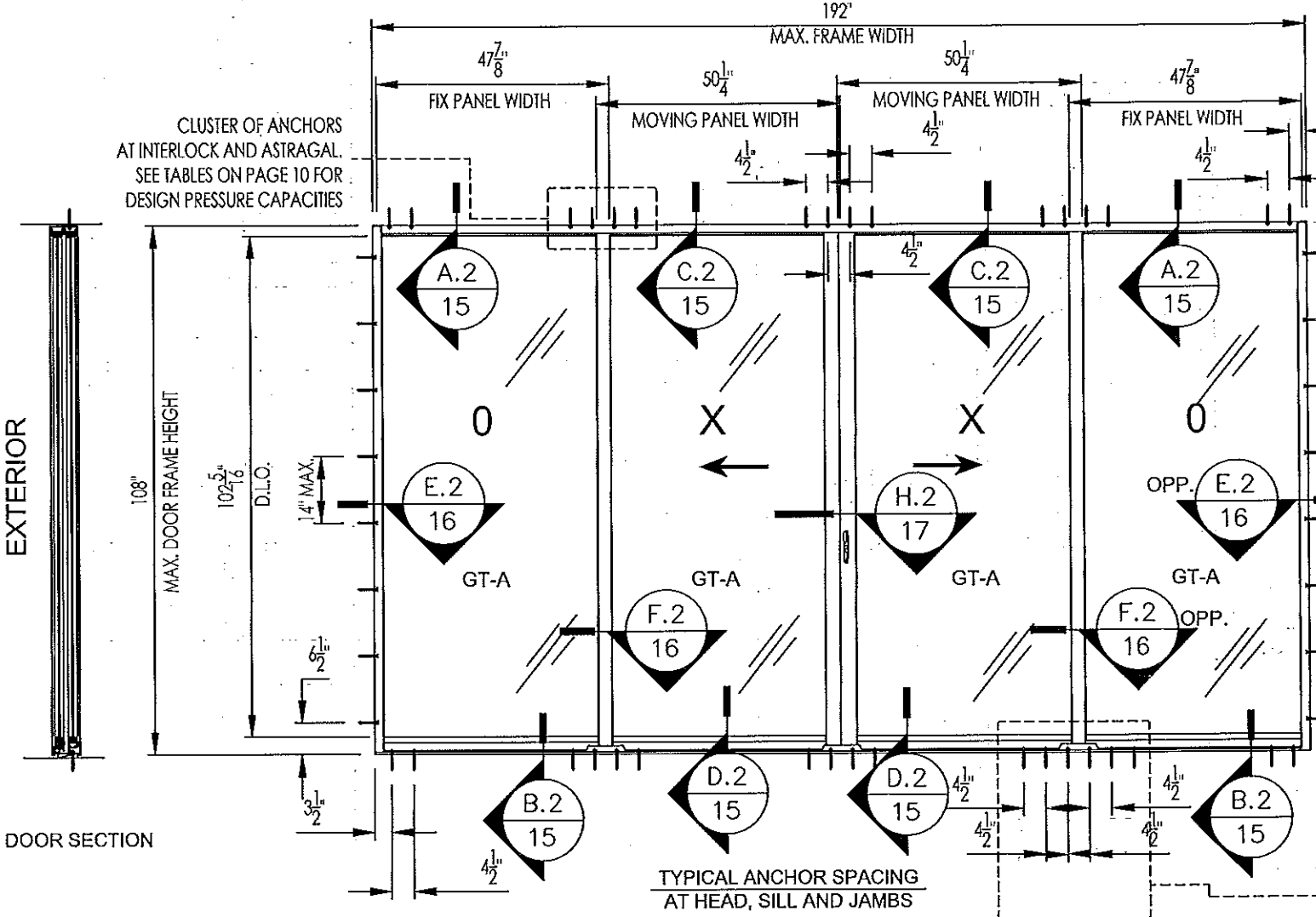
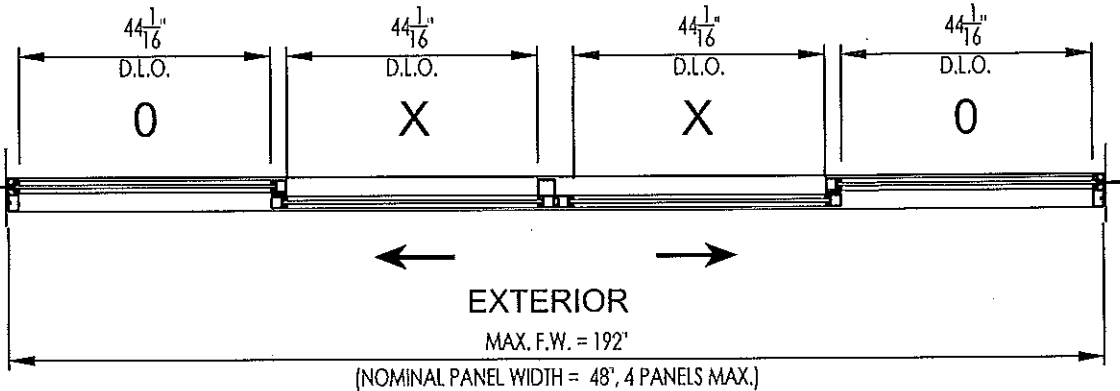


DWG No.
EUSA13001-002
SHEET 04 of 20

SYSTEM 2

DOOR WITH
STANDARD INTERLOCKS

MAXIMUM ALLOWABLE
DESIGN PRESSURE
Pd= +120 PSF
-120 PSF
GLASS TYPE: GT-A
-7/16" Thk. laminated glass
3/16" Thk. Fully Tempered + .060" Saflex
by Eastman Chemical Co.(MA) +
3/16" Thk. Fully Tempered



LEGEND FOR DOOR SIZES:
FW = FRAME WIDTH
FH = FRAME HEIGHT
DLO = DAYLIGHT OPENING

NOMINAL PANEL SIZE
PANEL WIDTH = FRAME WIDTH / NUMBER OF PANELS.
PANEL HEIGHT = FRAME HEIGHT (FH) - 1.375"

DLO SIZE:
DLO WIDTH = FIXED PANEL WIDTH - 3.8125"
DLO WIDTH = OPERABLE PANEL WIDTH - 6.1875"
DLO HEIGHT = F.H. - 5.6875"

ANCHOR SCHEDULE: REFER TO SHEETS 08 THROUGH 11 FOR SCHEDULE.

CLUSTER OF ANCHORS
AT INTERLOCK AND ASTRAGAL.
SEE TABLES ON PAGE 10 FOR
DESIGN PRESSURE CAPACITIES
ON SYSTEM 2

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www.epsylon.ca

PROJECT NAME

ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE SYSTEM 2
GENERIC ELEVATION
OXXO

SCALE: 3/8" = 1' - 0"

PREPARED BY: EPSYLON USA

DRAWN BY: JD

ISSUE DATE: 3/22/2014

ISSUE DATE:

DRAWING REVISION LOG

No.	Date	Revisions
01	4/19/14	PER REVIEWER COMMENTS
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ENGINEER:



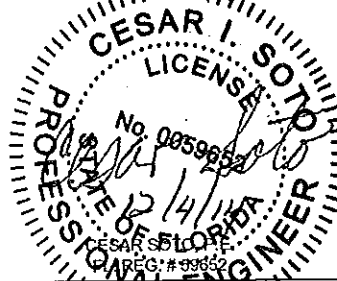
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DWG No.

EUSA MDC-002

SHEET 05 of 20

GLOBAL PERFORMANCE WINDOWS SLIDING GLASS DOOR
SERIES EUSA SD-20. GENERIC ELEVATION.

SYSTEM 2

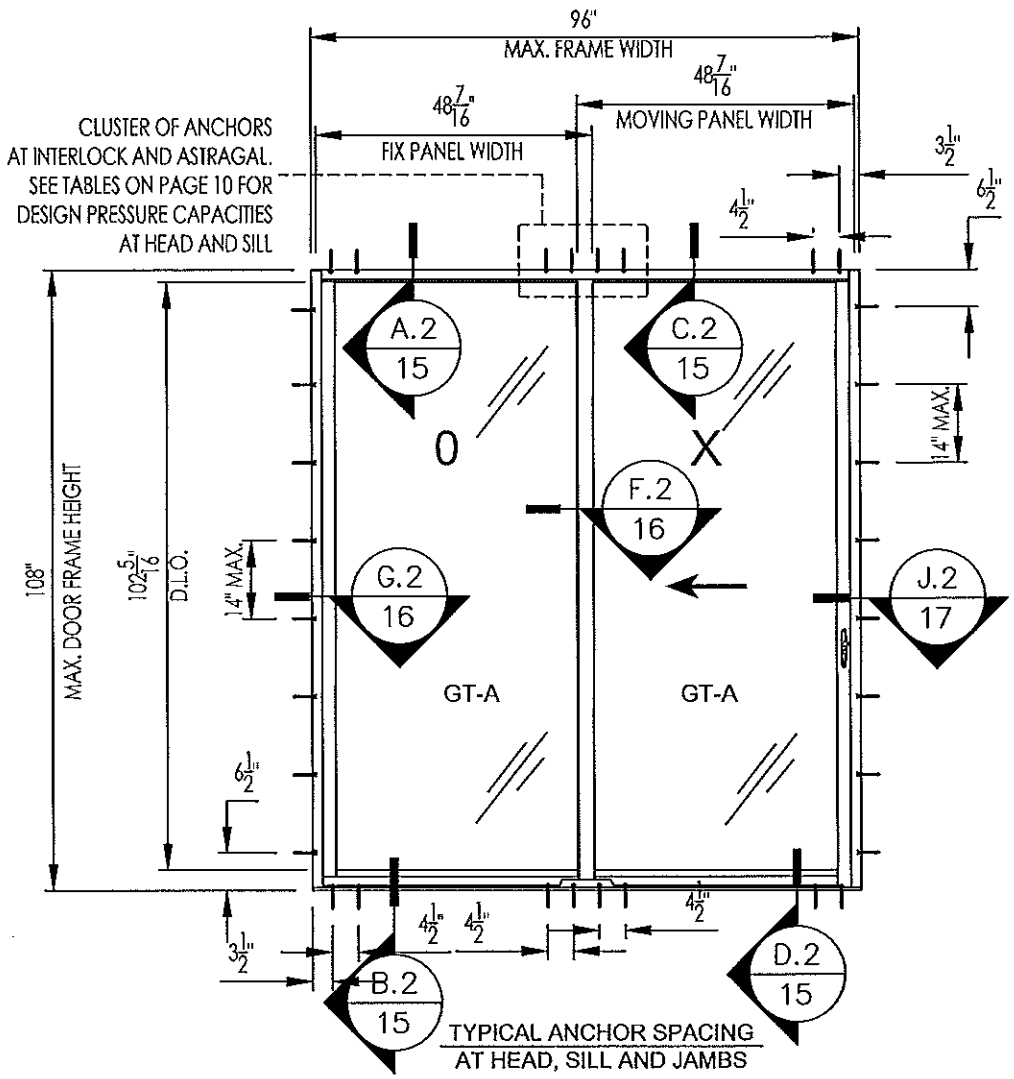
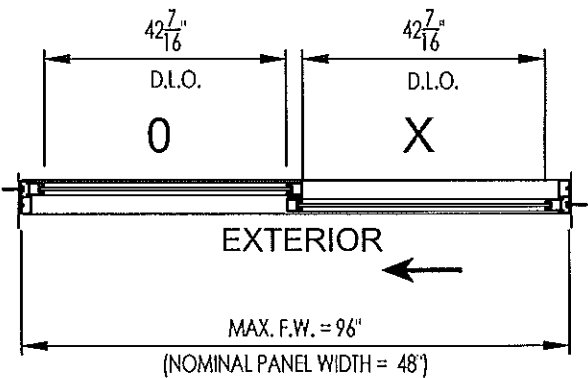
DOOR WITH STANDARD INTERLOCKS

MAXIMUM ALLOWABLE DESIGN PRESSURE

Pd= +120 PSF
-120 PSF

GLASS TYPE: GT-A

-7/16" Thk. laminated glass
3/16" Thk. Fully Tempered + .060" Saflex
by Eastman Chemical Co.(MA) +
3/16" Thk. Fully Tempered



EXTERIOR

DOOR SECTION

LEGEND FOR DOOR SIZES:

FW = FRAME WIDTH
FH = FRAME HEIGHT
DLO = DAYLIGHT OPENING

NOMINAL PANEL SIZE:
PANEL WIDTH = FRAME WIDTH / NUMBER OF PANELS
PANEL HEIGHT = FRAME HEIGHT (FH) - 1.375"

DLO SIZE
DLO WIDTH = FIXED PANEL WIDTH - 6"
DLO WIDTH = OPERABLE PANEL WIDTH - 6"
DLO HEIGHT = F.H. - 5.6875"

ANCHOR SCHEDULE: REFER TO SHEETS 08 THROUGH 11 FOR SCHEDULE.

Approved as complying with the
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Date 12/11/14
NOAH 14-0331.03
Miami Dade Product Control
By [Signature]

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PROJECT NAME
ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE
SYSTEM 2
GENERIC ELEVATION
OX (SHOWN)
SCALE: 3/8" = 1' - 0"

PREPARED BY: EPSILON USA
DRAWN BY: J.D.
ISSUE DATE: 3/22/2014
ISSUE DATE:

DRAWING REVISION LOG		
No.	Date	Revised
01	6/19/14	PER REVIEWER COMMENTS
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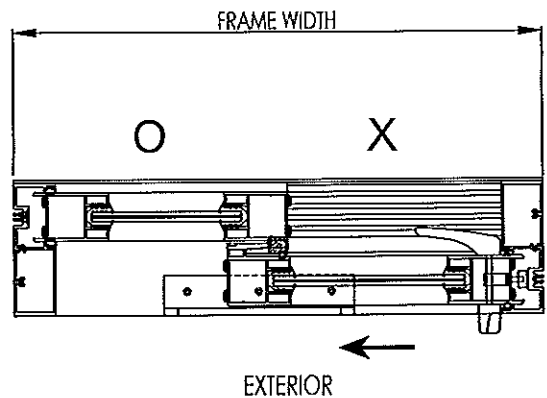
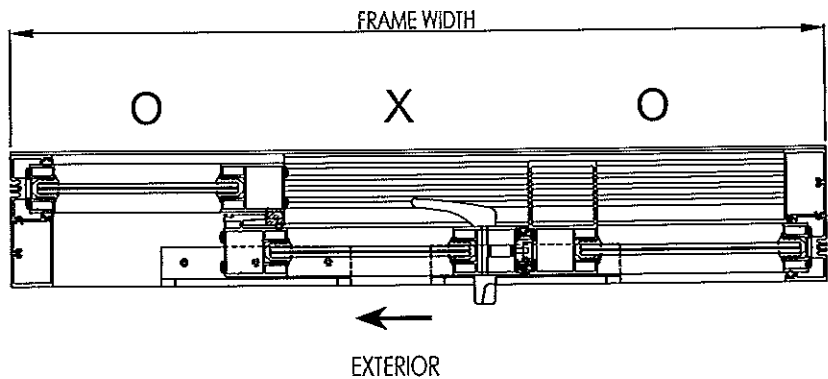
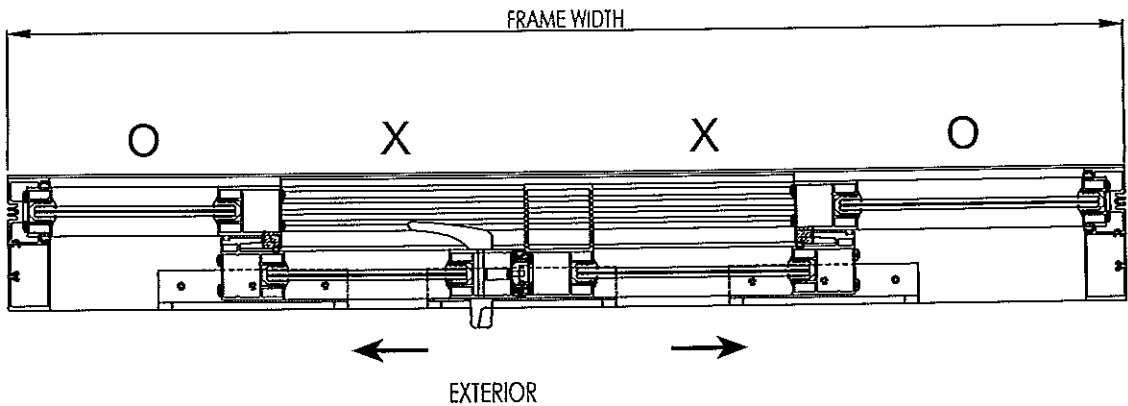
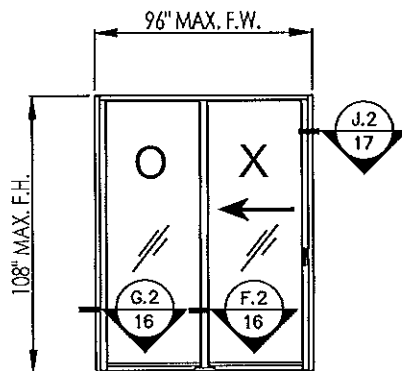
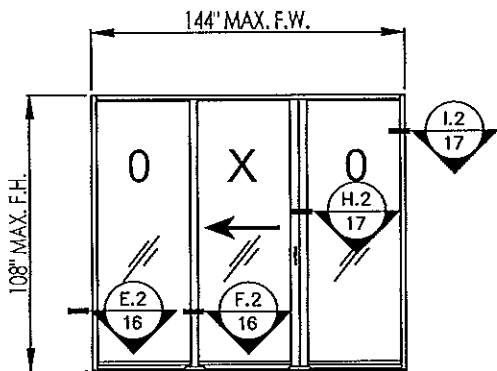
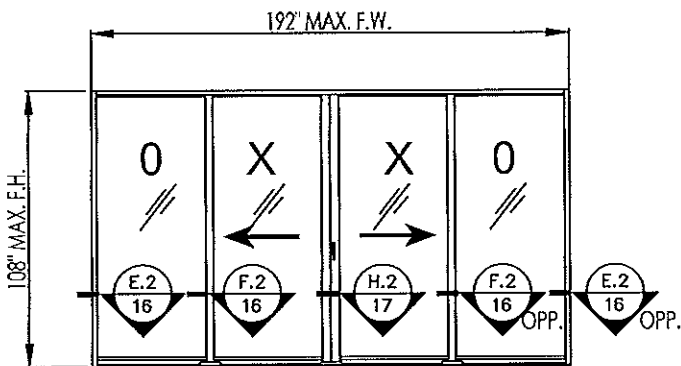
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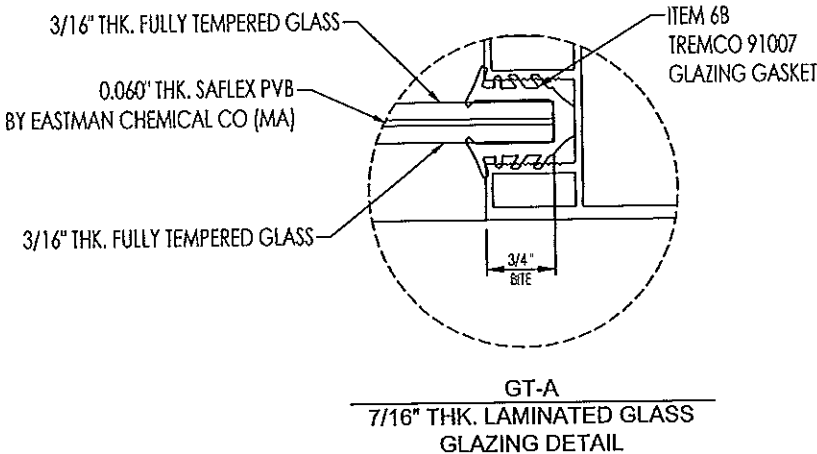
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CESAR I.
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 0059832
Exp. 12/31/14
REG. # 33832
DWG No. EUSA MDC-002
SHEET 06 of 20

SYSTEM 2 DOOR WITH
STANDARD INTERLOCKS

EPSYLON ALUMINUM SLIDING GLASS DOOR
SERIES SD-20. TYPICAL APPROVED CONFIGURATIONS
MAX. Pd +/- 120 psf



Approved as complying with the
Florida Building Code
Date 12/11/14
NOA# 14-033163
Miami Dade Product Control
By [Signature]



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WINDOWS, INC.
DBA EPSYLON USA

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www.epsylon.ca

PROJECT NAME
ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE
SYSTEM 2
APPROVED
CONFIGURATIONS
SCALE: N.T.S.

PREPARED BY:
EPSYLON USA
ISSUE DATE:
3/22/2014

DRAWN BY:
JD

ISSUE DATE:

DRAWING REVISION LOG

No.	Date	Revision
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02	10/10/14	PER REVIEWER COMMENTS
03	11/25/14	PER REVIEWER COMMENTS

ENGINEER:



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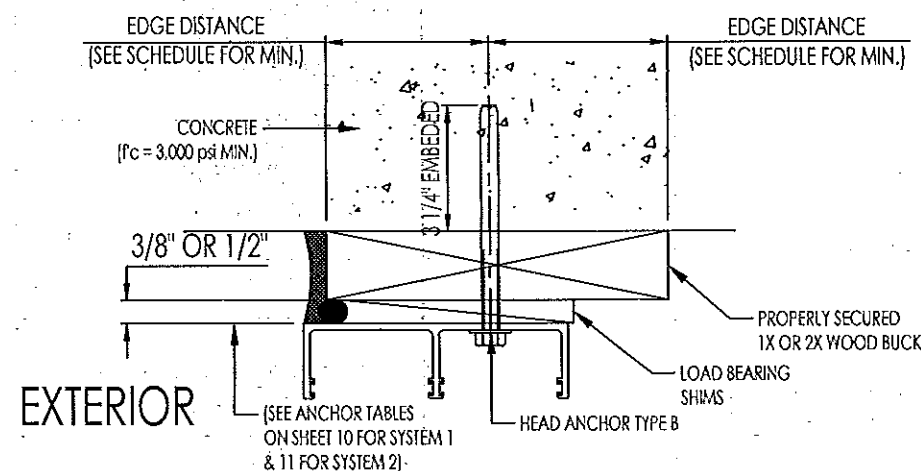
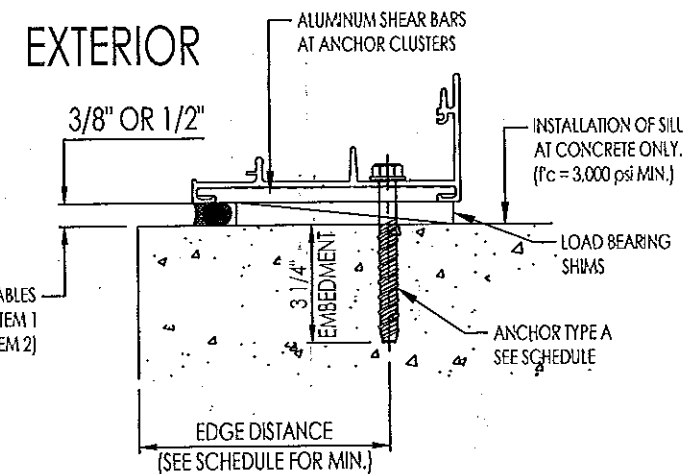
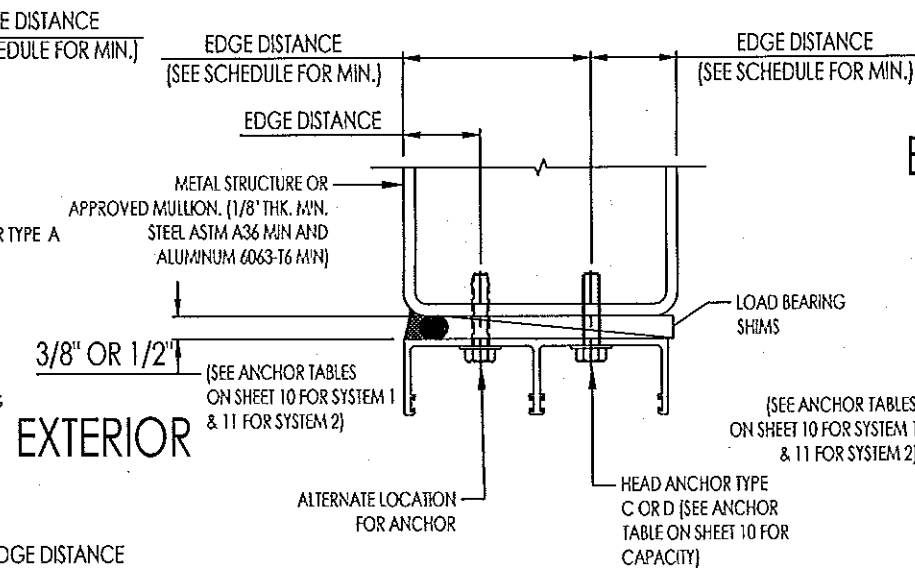
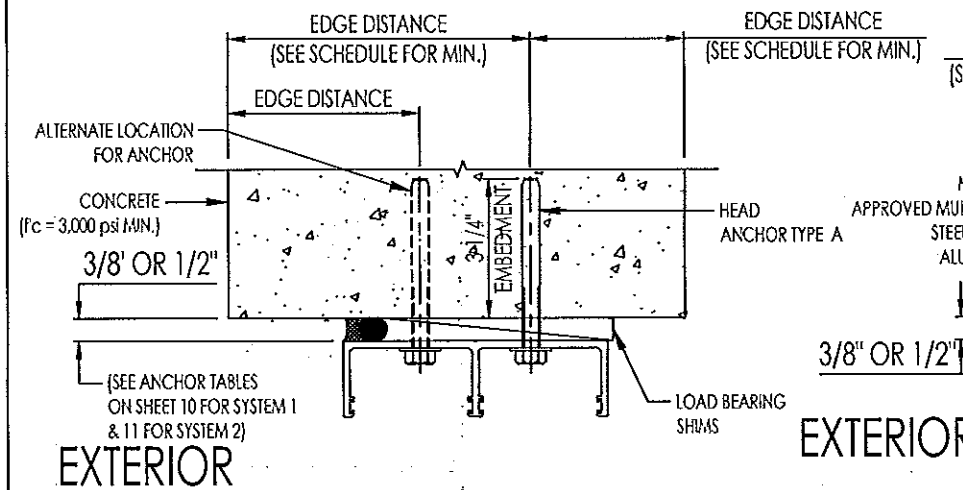
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DWG No.

EUSA13001002

SHEET 07 of 20



FOR SYSTEMS 1 AND 2

ANCHOR SCHEDULE FOR HEAD AND SILL (SEE ELEVATIONS FOR TYPICAL SPACING)

- ANCHOR TYPE A (HEAD AND SILL):
3/8"Ø KWIK HUS-EZ (HILTI, Shank Diameter = 0.375 in min., Root Diameter = 0.3346 in min. $F_y = 95.7$ Ksi, $F_u = 120.3$ Ksi) WITH 3 1/4" EMBEDMENT, 4 1/2" MINIMUM SPACING AND 4 1/2" EDGE DISTANCE INTO 3,000 psi CONCRETE.
- ANCHOR TYPE B (HEAD):
3/8"Ø KWIK HUS-EZ (HILTI, Shank Diameter = 0.375 in min., Root Diameter = 0.3346 in min. $F_y = 95.7$ Ksi, $F_u = 120.3$ Ksi) THROUGH UP TO 2x WOOD BUCK WITH 3 1/4" EMBEDMENT, 4 1/2" MINIMUM SPACING AND 4 1/2" EDGE DISTANCE INTO 3,000 psi CONCRETE. 2" MIN EDGE DISTANCE TO WOOD.
- ANCHOR TYPE C (HEAD):
3/8"Ø GRADE 5 MACHINE SCREW ($F_y = 90$ Ksi, $F_u = 120$ Ksi) INTO METAL STRUCTURE (STEEL $F_y = 36$ Ksi OR ALUMINUM $F_y = 25$ KSI, 1/8" THK. MINIMUM) WITH MINIMUM 3 THREADS PAST SUBSTRATE.
- ANCHOR TYPE D (HEAD):
1/2"Ø GRADE 5 MACHINE SCREW ($F_y = 90$ Ksi, $F_u = 120$ Ksi) INTO METAL STRUCTURE (STEEL $F_y = 36$ Ksi OR ALUMINUM $F_y = 25$ KSI, 1/8" THK. MINIMUM) WITH MINIMUM 3 THREADS PAST SUBSTRATE.
- WOOD BUCK ANCHORAGE BY OTHERS IS NOT PART OF THIS APPROVAL AND SHALL BE CAPABLE OF TRANSFERRING LOADS FROM GLAZING SYSTEM TO SUPPORTING STRUCTURE.

Approved as complying with the
Florida Building Code
Date 12/11/14
NOAH 14-0331-02
Miami Dade Product Control
By Wang L. Chang

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PROJECT NAME

ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE

ANCHORAGE SCHEDULE
AND DETAILS

SCALE:

PREPARED BY:
EPSYLON USA

DRAWN BY:
JD

ISSUE DATE:
3/22/2014

ISSUE DATE:

DRAWING REVISION LOG

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03	11/25/14	PER REVIEWER COMMENTS

ENGINEER:



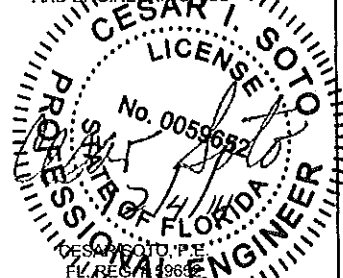
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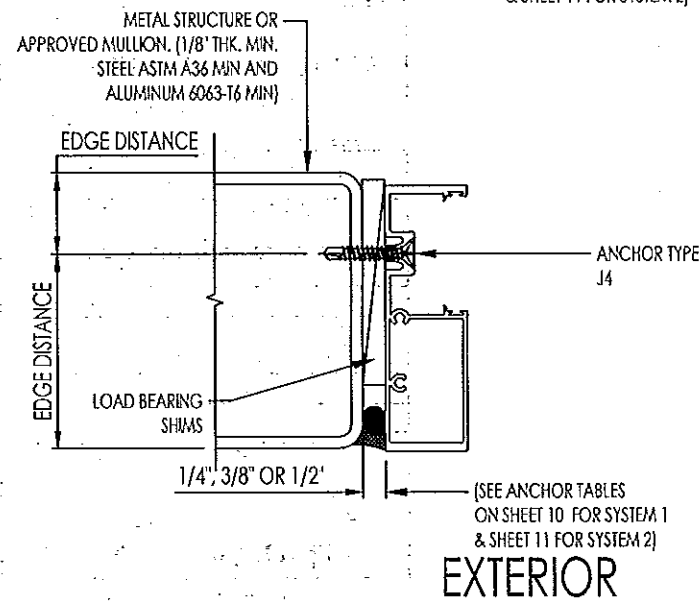
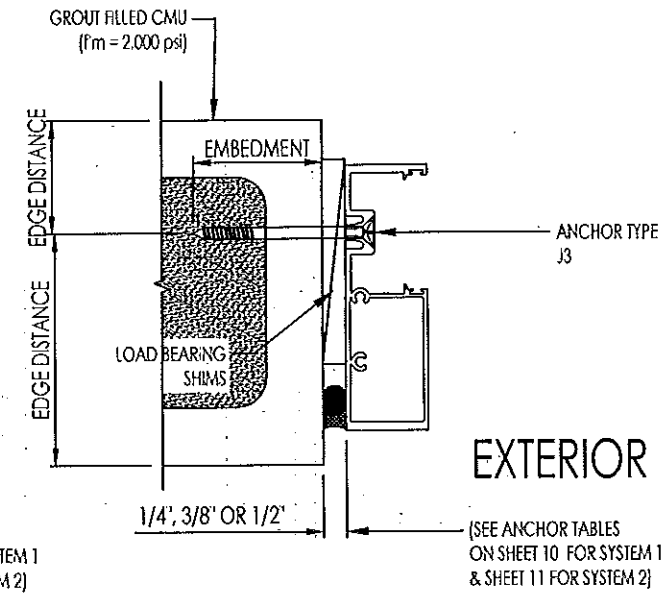
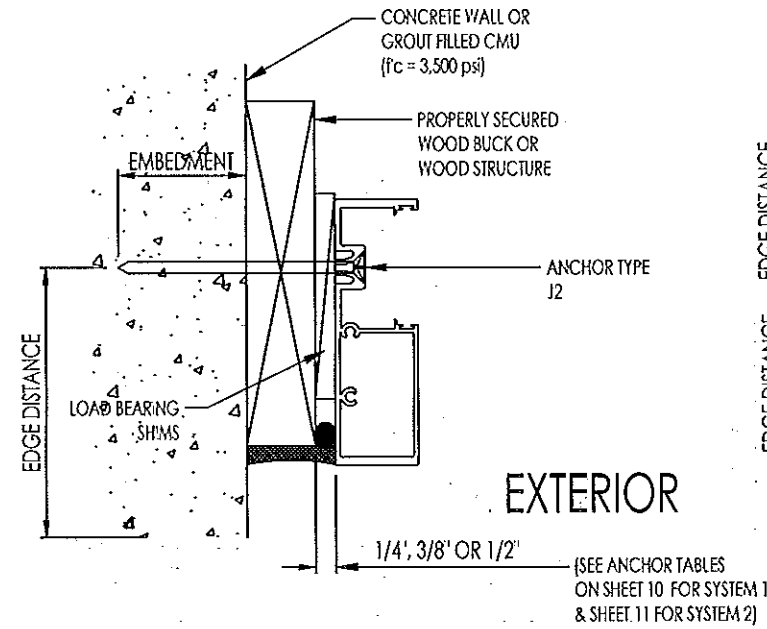
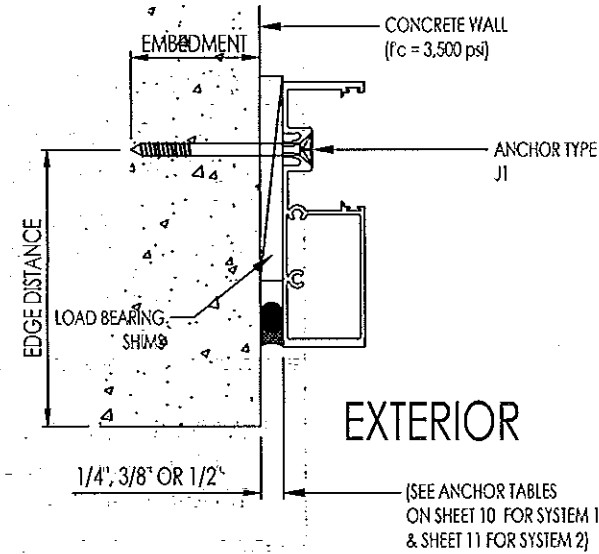
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EUSA13001-002

SHEET 08 of 20



ANCHOR SCHEDULE FOR JAMBS

- ANCHOR TYPE J1:
5/16"Ø ELCO ULTRAON (Fy= 155 Ksi, Fu = 177 Ksi) WITH 1 3/4" EMBEDMENT AND 2 1/2" EDGE DISTANCE INTO 3,500 psi CONCRETE MINIMUM
- ANCHOR TYPE J2:
5/16"Ø ELCO ULTRAON (Fy= 155 Ksi, Fu = 177 Ksi) THROUGH UP TO 2x WOOD BUCK WITH 1 3/4" EMBEDMENT AND 2 1/2" EDGE DISTANCE INTO 3,500 psi CONCRETE MINIMUM
- ANCHOR TYPE J3:
5/16"Ø ELCO ULTRAON (Fy= 155 Ksi, Fu = 177 Ksi) WITH 1 3/4" EMBEDMENT AND 3 1/8" EDGE DISTANCE INTO GROUT FILLED BLOCK (fm=2,000 psi)
- ANCHOR TYPE J4:
5/16"Ø ELCO DRILFLEX (Fy= 92 Ksi, Fu = 120 Ksi) INTO 1/8" THK. MINIMUM METAL STRUCTURE (STEEL ASTM A36 min. ALUMINUM 6063-T6 min.)

Approved as complying with the
Florida Building Code
Date 12/11/14
NOA# 14-0331-03
Miami Dade Product Control
By Ishay L. Chant

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PROJECT NAME

ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE

ANCHORAGE SCHEDULE
AND DETAILS

SCALE:

PREPARED BY:
EPSILON USA
ISSUE DATE:
3/22/2014

DRAWN BY:
JD
ISSUE DATE:

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No.	Date	Revised
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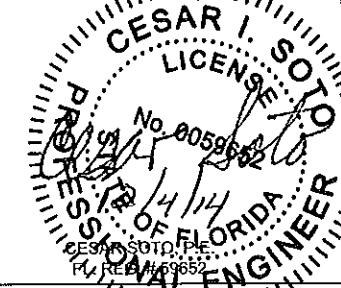


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SHEET 09 of 20

ANCHORAGE CAPACITY DATA/TABLES

SYSTEM 1 DOOR WITH HEAVY INTERLOCKS AND GLASS TYPE GT-B

TABLE 1-1. HEAD ANCHORS CAPACITY CHARTS

SYSTEM 1: ALLOWABLE DESIGN PRESSURE (PSF) BASED ON ANCHORS AT HEAD								
* 48" wide by 132" tall panel with heavy duty interlock								
BOLT TYPE	FOR 3/8" MAX. SHIM GAP				FOR 1/2" MAX. SHIM GAP			
	4 BOLTS		6 BOLTS		4 BOLTS		6 BOLTS	
	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)
A	110.0	142.5	110.0	160.0	110.0	117.8	110.0	160.0
B	50.9	50.9	76.4	76.4	50.9	50.9	76.4	76.4
C	82.8	82.8	110.0	124.2	66.6	66.6	100.0	100.0
D	110.0	160.0	110.0	160.0	110.0	155.3	110.0	160.0

TABLE 1-2. SILL ANCHORS CAPACITY CHARTS

SYSTEM 1: ALLOWABLE DESIGN PRESSURE (PSF) BASED ON ANCHORS AT SILL								
* 48" wide by 132" tall panel with heavy duty interlock								
BOLT TYPE	FOR 3/8" MAX. SHIM GAP				FOR 1/2" MAX. SHIM GAP			
	4 BOLTS		6 BOLTS		4 BOLTS		6 BOLTS	
	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)
A	110.0	142.5	110.0	160.0	110.0	117.8	110.0	160.0

TABLE 1-3. JAMB ANCHORS CAPACITY CHARTS

SYSTEM 1: ALLOWABLE DESIGN PRESSURE (PSF) BASED ON FASTENERS AT JAMBS						
* NOMINAL 48" X 132" PANELS (BOLT MAX SPACING = 14" O.C.)						
BOLT TYPE	FOR 1/4" MAX. SHIM GAP		FOR 3/8" MAX. SHIM GAP		FOR 1/2" MAX. SHIM GAP	
	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)
J1	110.0	160.0	110.0	142.6	110.0	114.8
J2	108.9	108.9	108.9	108.9	108.9	108.9
J3	110.0	158.6	110.0	142.6	110.0	114.8
J4	110.0	151.5	110.0	112.8	89.8	89.8

* The above shown tables apply also to all sizes smaller than the nominal listed. It shall be responsibility of the contractor, architect or engineer of record to verify that all sizes are permitted by F.B.C. and meet all applicable egress, accessibility and FHA requirements, regulations and local ordinances.

TABLE USE INSTRUCTIONS

1. AFTER DETERMINING THAT SGD SYSTEM 1 IS BEING USED PER PROJECT DIMENSIONS AND MAXIMUM ALLOWABLE DESIGN PRESSURES ACCORDING TO SHEETS 02 THROUGH 04:
2. DETERMINE APPLICABLE SUBSTRATES AT HEAD, SILL AND JAMBS PER PROJECT CONDITIONS. REFER TO SHEETS 8 AND 9 FOR ANCHOR TYPE SCHEDULE DEPENDING ON SUBSTRATE.
3. DETERMINE APPLICABLE SHIM GAPS AT HEAD, SILL AND JAMBS AND, USING TABLES 1-1 FOR HEAD, 1-2 FOR SILL AND 1-3 FOR JAMBS, SELECT ALLOWABLE DESIGN PRESSURES FOR EACH SYSTEM BASED ON ANCHOR (BOLT) TYPE AND SHIM GAP.
4. THE LOWEST ALLOWABLE DESIGN PRESSURE FROM ITEMS 1 THRU 3 ABOVE WILL CONTROL FOR THE ENTIRE SYSTEM.

TABLE USE EXAMPLE

EXAMPLE 1: A SYSTEM 1 FRAME CONNECTED TO CONCRETE AT HEAD AND SILL, METAL AT JAMBS, AND HAVING 3/8" SHIM GAP AT HEAD, 1/2" SHIM GAP AT SILL, AND 1/4" SHIM GAP AT JAMBS:

DATA:

SYSTEM: SYSTEM 1
SUBSTRATE HEAD: CONCRETE (ANCHOR A)
SUBSTRATE SILL: CONCRETE (ANCHOR A)
SUBSTRATE JAMBS: METAL (ANCHOR J4)
SHIM GAP HEAD: 3/8" WITH CLUSTER OF FOUR (4) ANCHORS
SHIM GAP SILL: 1/2" WITH CLUSTER OF FOUR (4) ANCHORS
SHIM GAP JAMBS: 1/4"

RESULTS:

MAX. ALLOWABLE DESIGN PRESSURE FOR SYSTEM 1 FRAME = + 110 PSF / -160 PSF
(PER SHEETS 2, 3 AND 4 OF 20)
MAX. ALLOWABLE DESIGN PRESSURE PER HEAD CONNECTION = + 110 PSF / - 142.5 PSF
(PER TABLE 1-1)
MAX. ALLOWABLE DESIGN PRESSURE PER SILL CONNECTION = + 110 PSF / - 117.8 PSF
(PER TABLE 1-2)
MAX. ALLOWABLE DESIGN PRESSURE PER JAMB CONNECTION = + 110 PSF / -151.5 PSF
(PER TABLE 1-3)

THEREFORE MAX. ALLOWABLE DESIGN PRESSURE WITH LOWEST CONTROLLING VALUES FOR ENTIRE SYSTEM, Pd = + 110 PSF / -117.8 PSF

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Date 12/11/14
NOA# 14-0331-03
Miami Dade Product Control
By [Signature]

GLOBAL PERFORMANCE WINDOWS, INC. DBA EPSILON USA

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www.epsylon.ca

PROJECT NAME

ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE

SYSTEM 1
ANCHORAGE SCHEDULE

SCALE:

PREPARED BY:

EPSILON USA

DRAWN BY:

JD

ISSUE DATE:

3/22/2014

ISSUE DATE:

-

DRAWING REVISION LOG

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ENGINEER:

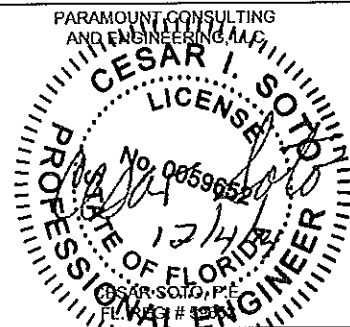


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EUSA13001-002

SHEET 10 of 20

ANCHORAGE CAPACITY DATA/TABLES

SYSTEM 2 DOOR WITH STANDARD INTERLOCKS AND GLASS TYPE GT-A

TABLE 2-1. HEAD ANCHORS CAPACITY CHARTS

SYSTEM 2: ALLOWABLE DESIGN PRESSURE (PSF) BASED ON ANCHORS AT HEAD								
* 48" wide by 108" tall panel with standard interlock								
BOLT TYPE	FOR 3/8" MAX. SHIM GAP				FOR 1/2" MAX. SHIM GAP			
	4 BOLTS		6 BOLTS		4 BOLTS		6 BOLTS	
	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)
A	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
B	62.2	62.2	93.3	93.3	62.2	62.2	93.3	93.3
C	101.2	101.2	120.0	120.0	81.5	81.5	120.0	120.0
D	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0

TABLE 2-2. SILL ANCHORS CAPACITY CHARTS

SYSTEM 2: ALLOWABLE DESIGN PRESSURE (PSF) BASED ON ANCHORS AT SILL								
* 48" wide by 108" tall panel with standard interlock								
BOLT TYPE	FOR 3/8" MAX. SHIM GAP				FOR 1/2" MAX. SHIM GAP			
	4 BOLTS		6 BOLTS		4 BOLTS		6 BOLTS	
	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)
A	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0

TABLE 2-3. JAMB ANCHORS CAPACITY CHARTS

SYSTEM 2: ALLOWABLE DESIGN PRESSURE (PSF) BASED ON FASTENERS AT JAMBS						
* NOMINAL 48" X 108" PANELS (BOLT MAX SPACING = 14" O.C.)						
BOLT TYPE	FOR 1/4" MAX. SHIM GAP		FOR 3/8" MAX. SHIM GAP		FOR 1/2" MAX. SHIM GAP	
	POS (+)	NEG (-)	POS (+)	NEG (-)	POS (+)	NEG (-)
J1	120.0	120.0	120.0	120.0	114.8	114.8
J2	108.9	108.9	108.9	108.9	108.9	108.9
J3	120.0	120.0	120.0	120.0	114.8	114.8
J4	120.0	120.0	112.8	112.8	89.8	89.8

* The above shown tables apply also to all sizes smaller than the nominal listed. It shall be responsibility of the contractor, architect or engineer of record to verify that all sizes are permitted by F.B.C. and meet all applicable egress, accessibility and FHA requirements, regulations and local ordinances.

TABLE USE INSTRUCTIONS

1. AFTER DETERMINING THAT SGD SYSTEM 2 IS BEING USED PER PROJECT DIMENSIONS AND MAXIMUM ALLOWABLE DESIGN PRESSURES ACCORDING TO SHEETS 05 THROUGH 07:
2. DETERMINE APPLICABLE SUBSTRATES AT HEAD, SILL AND JAMBS PER PROJECT CONDITIONS. REFER TO SHEETS 8 AND 9 FOR ANCHOR TYPE SCHEDULE DEPENDING ON SUBSTRATE.
3. DETERMINE APPLICABLE SHIM GAPS AT HEAD, SILL AND JAMBS AND, USING TABLES 2-1 FOR HEAD, 2-2 FOR SILL AND 2-3 FOR JAMBS, SELECT ALLOWABLE DESIGN PRESSURES FOR EACH SYSTEM BASED ON ANCHOR (BOLT) TYPE AND SHIM GAP.
4. THE LOWEST ALLOWABLE DESIGN PRESSURE FROM ITEMS 1 THRU 3 ABOVE WILL CONTROL FOR THE ENTIRE SYSTEM.

TABLE USE EXAMPLE

EXAMPLE 2: A SYSTEM 2 FRAME CONNECTED TO METAL AT HEAD, TO CONCRETE AT SILL, TO CONCRETE AT JAMBS THRU WOOD BUCK, AND HAVING 1/2" SHIM GAP AT HEAD AND SILL, AND 3/8" SHIM GAP AT JAMBS:

DATA:

SYSTEM: SYSTEM 2
SUBSTRATE HEAD: METAL (ANCHOR D)
SUBSTRATE SILL: CONCRETE (ANCHOR A)
SUBSTRATE JAMBS: CONCRETE THRU WOOD BUCK (ANCHOR J2)
SHIM GAP HEAD: 1/2" WITH CLUSTER OF FOUR (4) ANCHORS
SHIM GAP SILL: 1/2" WITH CLUSTER OF FOUR (4) ANCHORS
SHIM GAP JAMBS: 3/8"

RESULTS:

MAX. ALLOWABLE DESIGN PRESSURE FOR SYSTEM 2 FRAME = + 120 PSF / - 120 PSF (PER SHEETS 5, 6 AND 7 OF 20)
MAX. ALLOWABLE DESIGN PRESSURE PER HEAD CONNECTION = + 120 PSF / - 120 PSF (PER TABLE 2-1)
MAX. ALLOWABLE DESIGN PRESSURE PER SILL CONNECTION = + 120 PSF / - 120 PSF (PER TABLE 2-2)
MAX. ALLOWABLE DESIGN PRESSURE PER JAMB CONNECTION = + 108.9 PSF / - 108.9 PSF (PER TABLE 2-3)

THEREFORE MAX. ALLOWABLE DESIGN PRESSURE WITH LOWEST CONTROLLING VALUES FOR ENTIRE SYSTEM, Pd = + 108.9 PSF / - 108.9 PSF

Approved as complying with the
Florida Building Code
Date 12/11/14
NOA 14-0331-63
Miami Dade Product Control
By Ishay J. Gamba

GLOBAL PERFORMANCE WINDOWS, INC. DBA EPSYLON USA

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PROJECT NAME

ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE

SYSTEM 2
ANCHORAGE SCHEDULE

SCALE:

PREPARED BY:

EPSILON USA

DRAWN BY:

J.D.

ISSUE DATE:

3/22/2014

ISSUE DATE:

-

DRAWING REVISION LOG

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02	10/10/14	PER REVIEWER COMMENTS
03	11/25/14	PER REVIEWER COMMENTS

ENGINEER:



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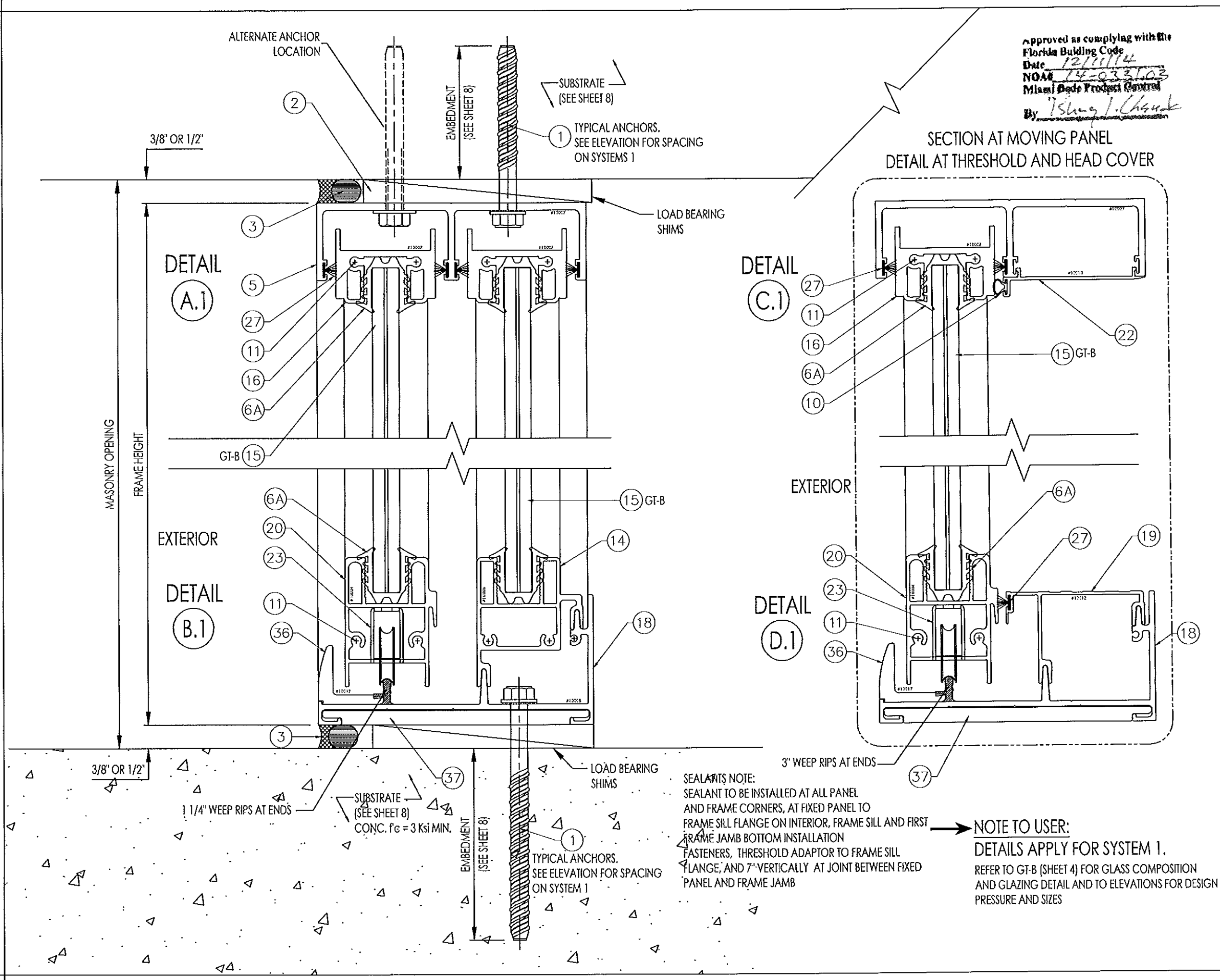
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SHEET 11 of 20



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PROJECT NAME
ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE
SYSTEM 1
INSTALLATION
DETAILS

SCALE:

PREPARED BY:
EPSYLON USA

DRAWN BY:
JD

ISSUE DATE:
3/22/2014

ISSUE DATE:

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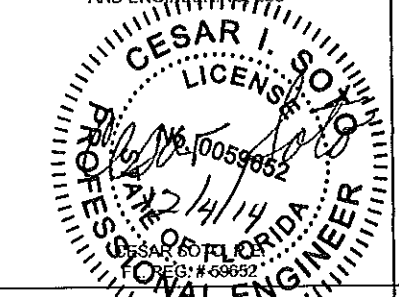
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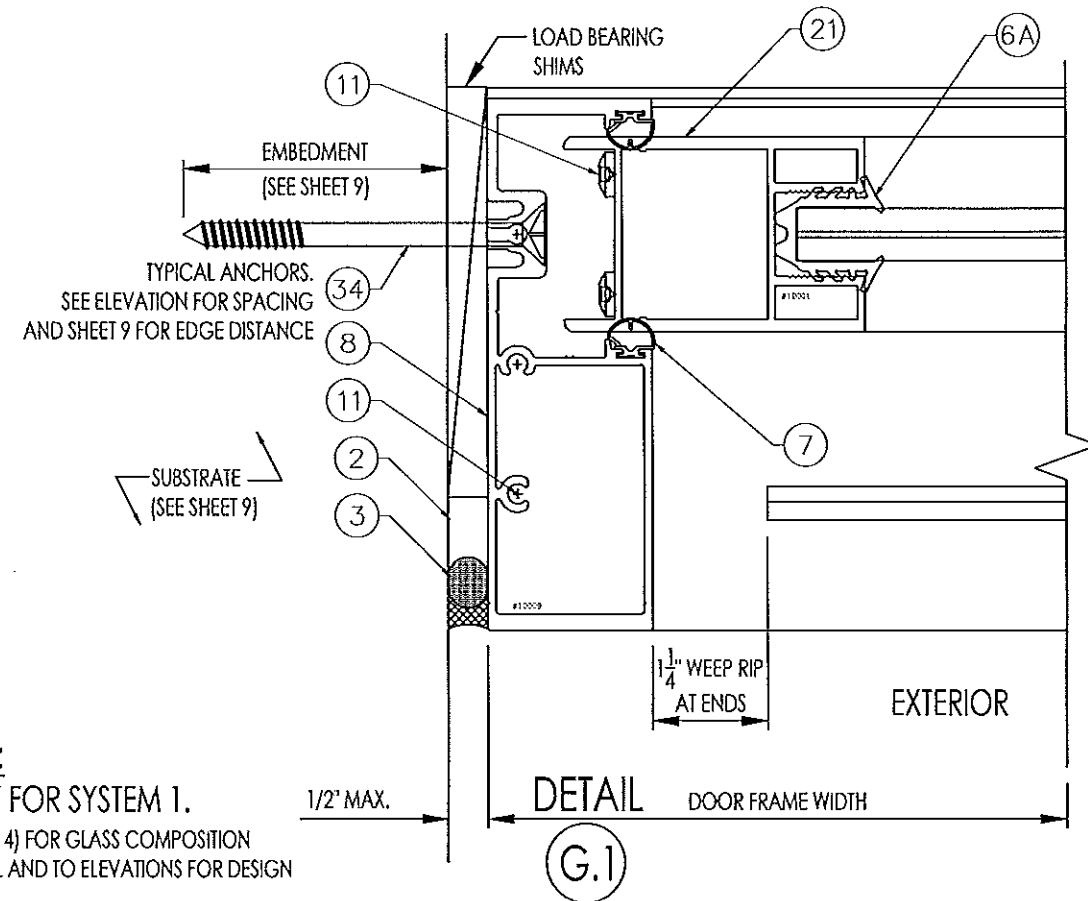
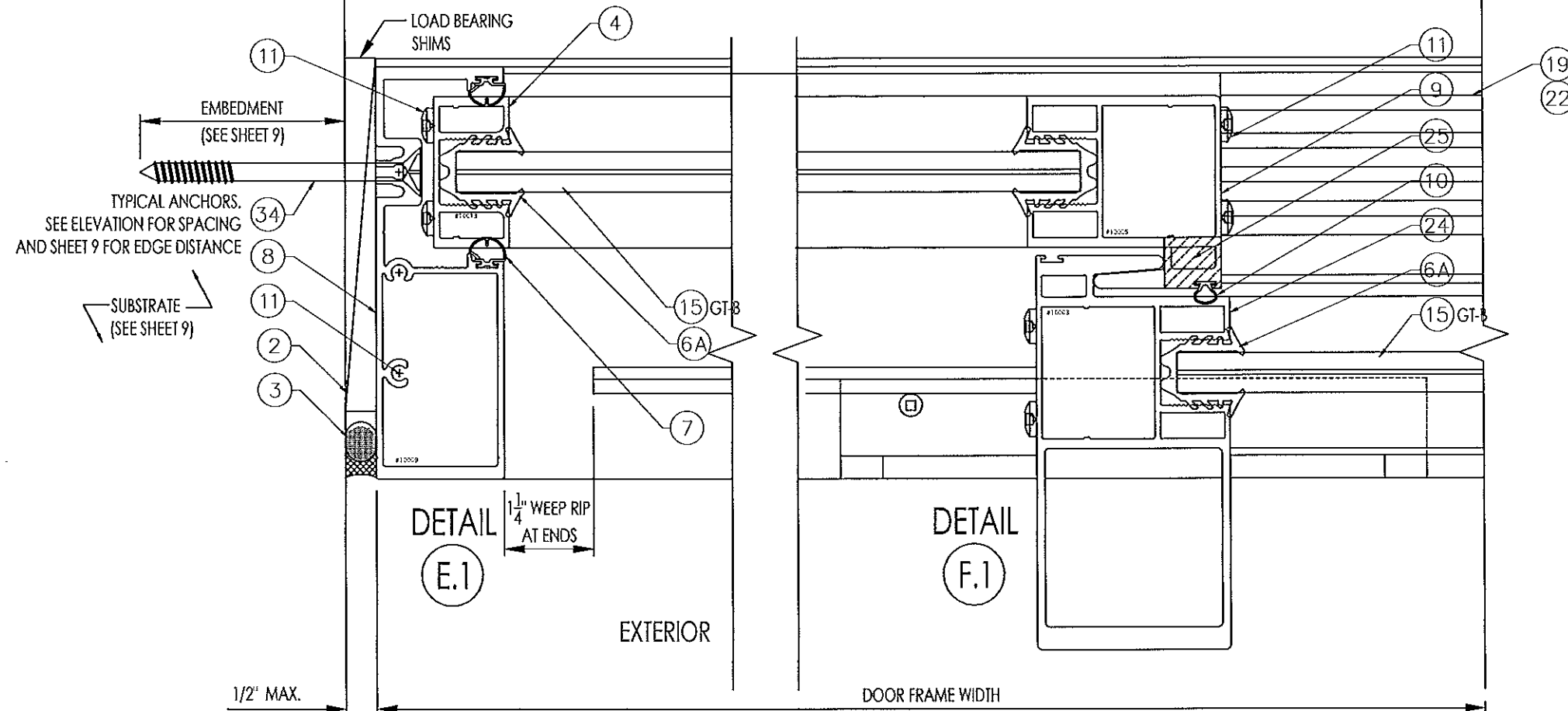
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PROJECT NAME

ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE

SYSTEM 1
INSTALLATION
DETAILS

SCALE:

PREPARED BY:

EPSILON USA

DRAWN BY:

J.D.

ISSUE DATE:

3/22/2014

ISSUE DATE:

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ENGINEER:



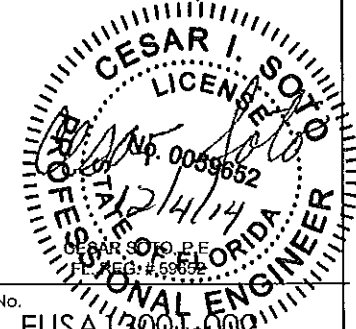
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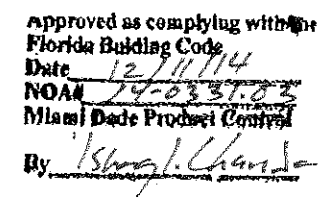
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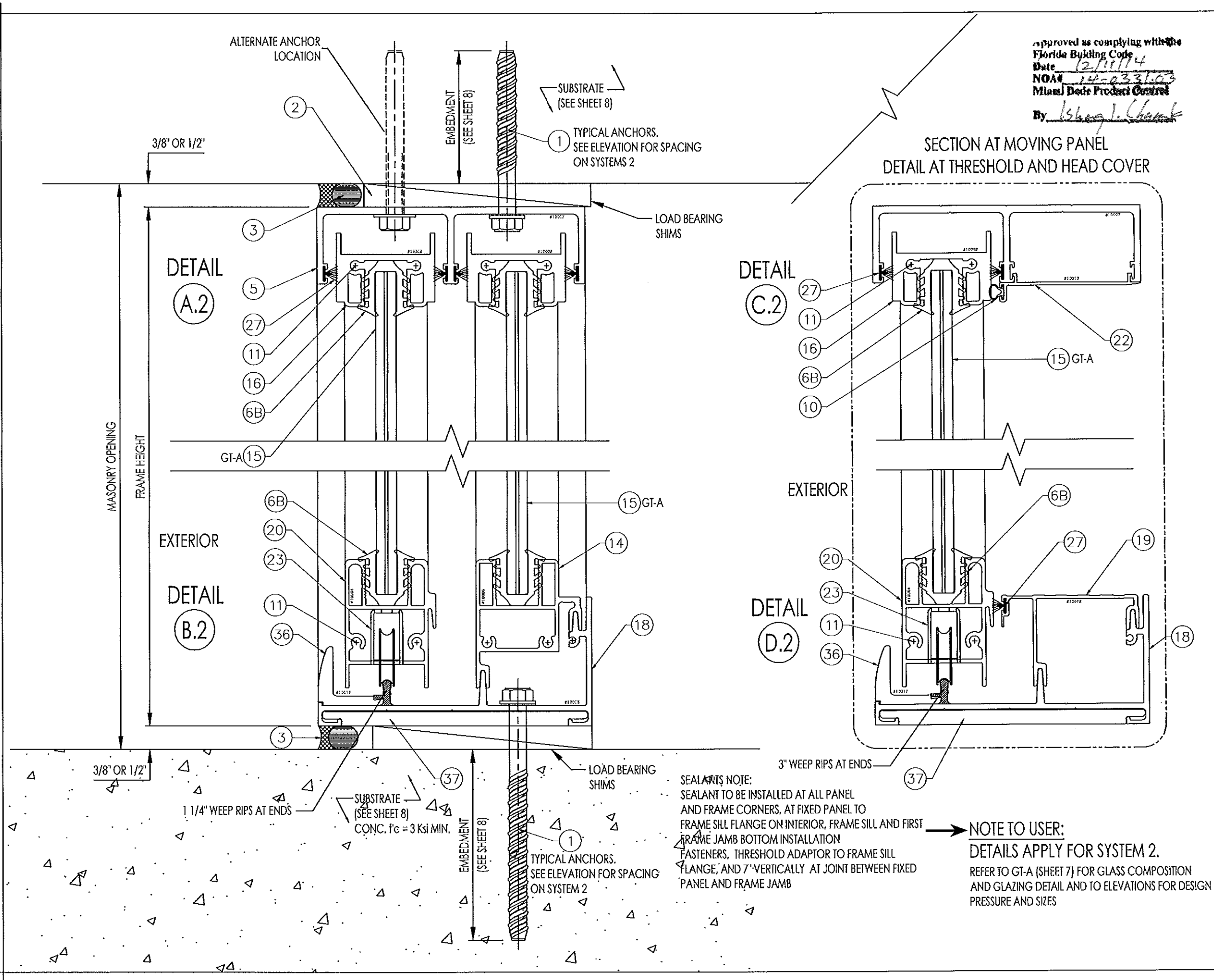
SHEET 13 of 20

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NOA# 14-0331.03
Miami Dade Product Control
By [Signature]

NOTE TO USER:
DETAILS APPLY FOR SYSTEM 1.
REFER TO GT-8 (SHEET 4) FOR GLASS COMPOSITION
AND GLAZING DETAIL AND TO ELEVATIONS FOR DESIGN
PRESSURE AND SIZES



EUSA13001-002
SHEET 14 of 20



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PROJECT NAME
 ALUMINUM SLIDING GLASS
 DOOR SERIES SD20.
 SMALL MISSILE IMPACT

SHEET TITLE
 SYSTEM 2
 INSTALLATION
 DETAILS

SCALE:

PREPARED BY:
 EPSYLON USA
 ISSUE DATE:
 3/22/2014

DRAWN BY:
 J.D.
 ISSUE DATE:

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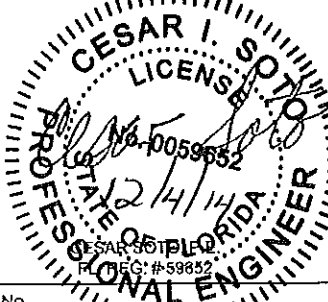
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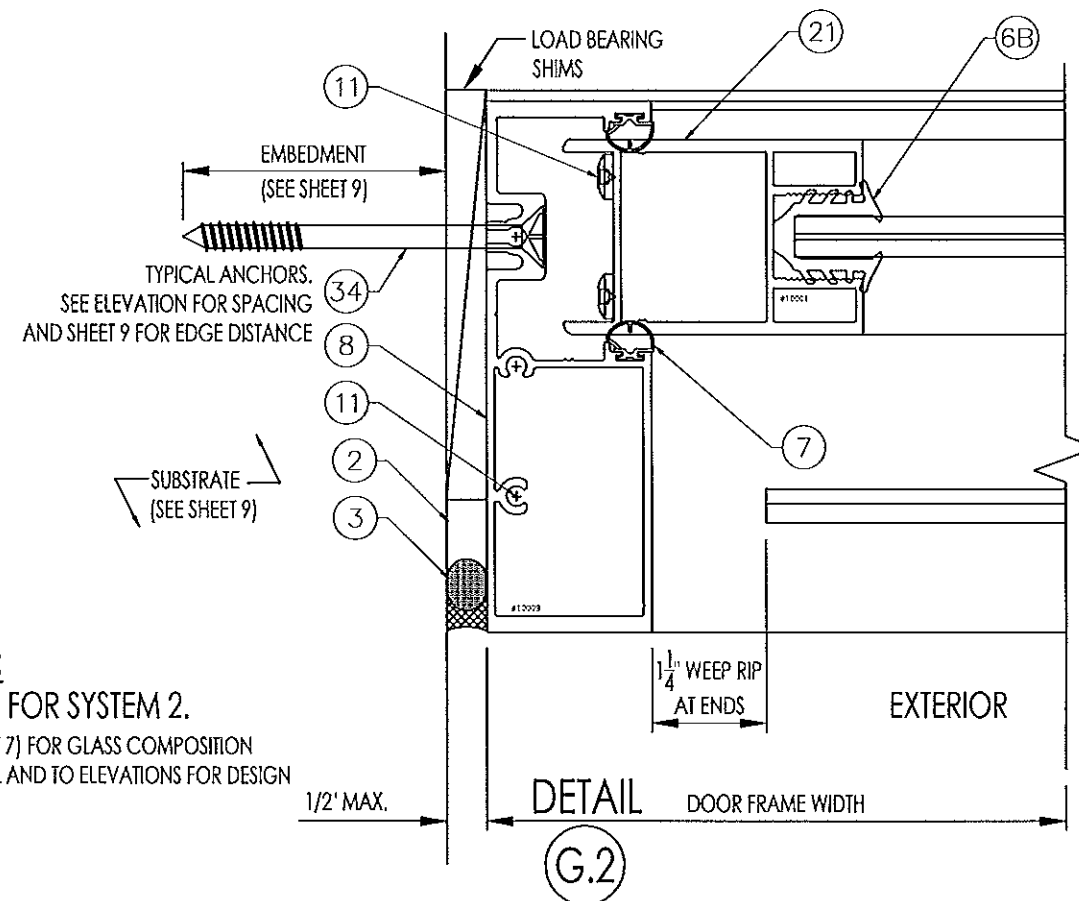
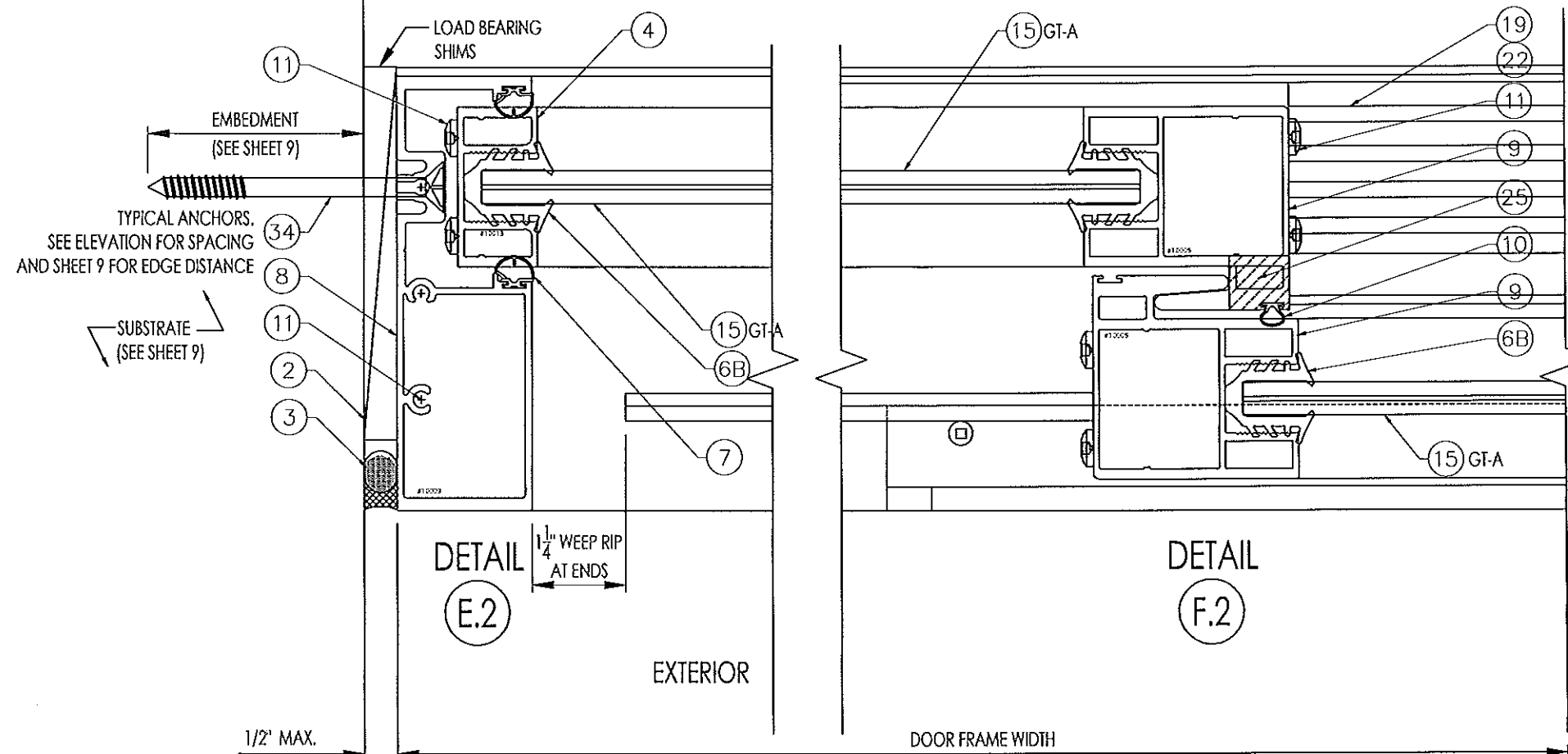
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PROJECT NAME

ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE

SYSTEM 2
INSTALLATION
DETAILS

SCALE:

PREPARED BY:

EPSILON USA

DRAWN BY:

J.D.

ISSUE DATE:

3/22/2014

ISSUE DATE:

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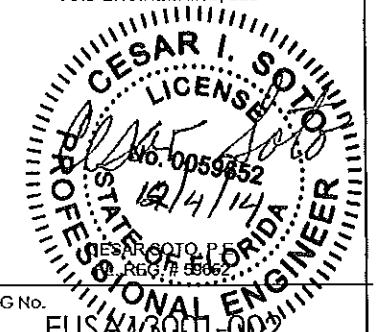
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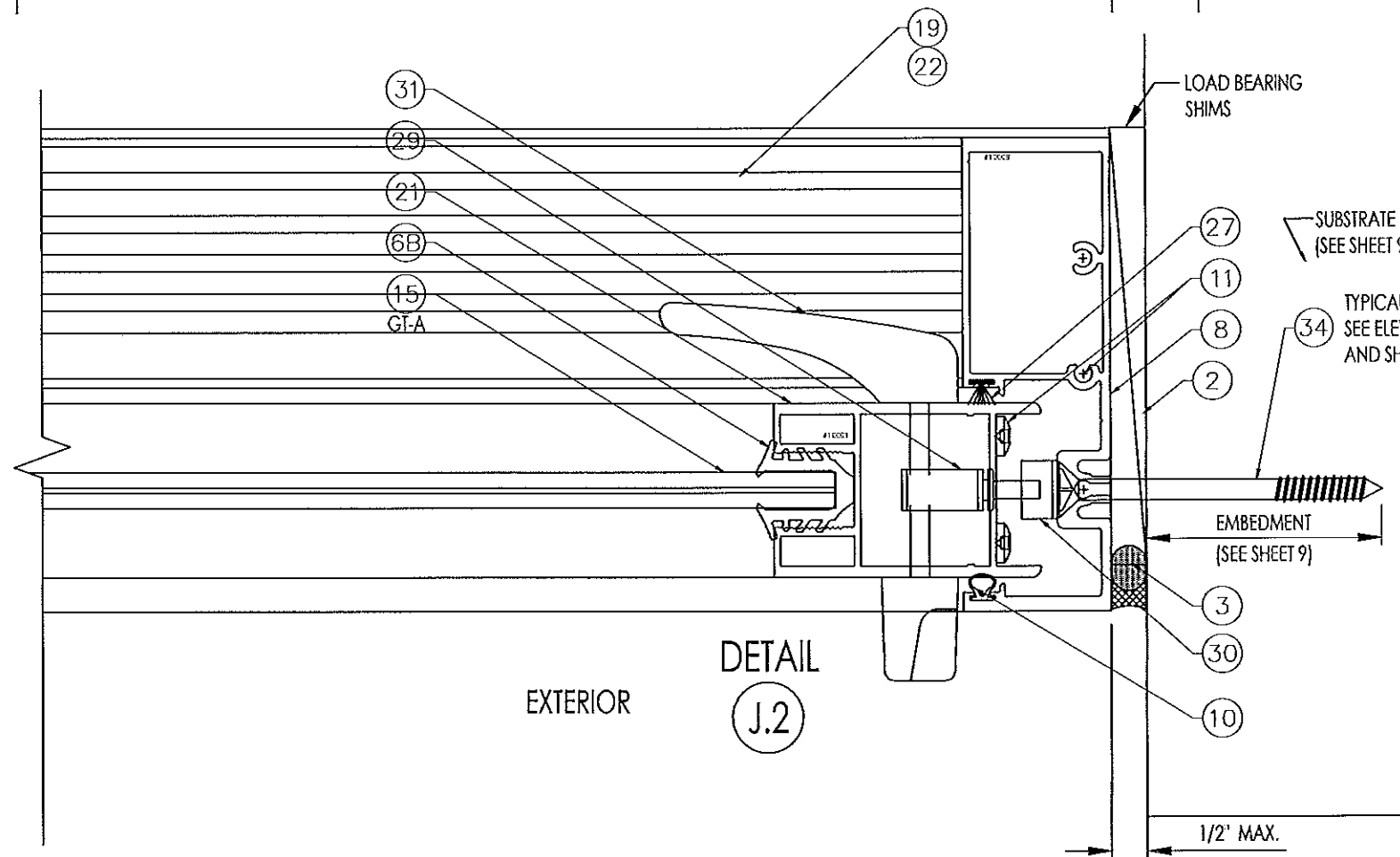
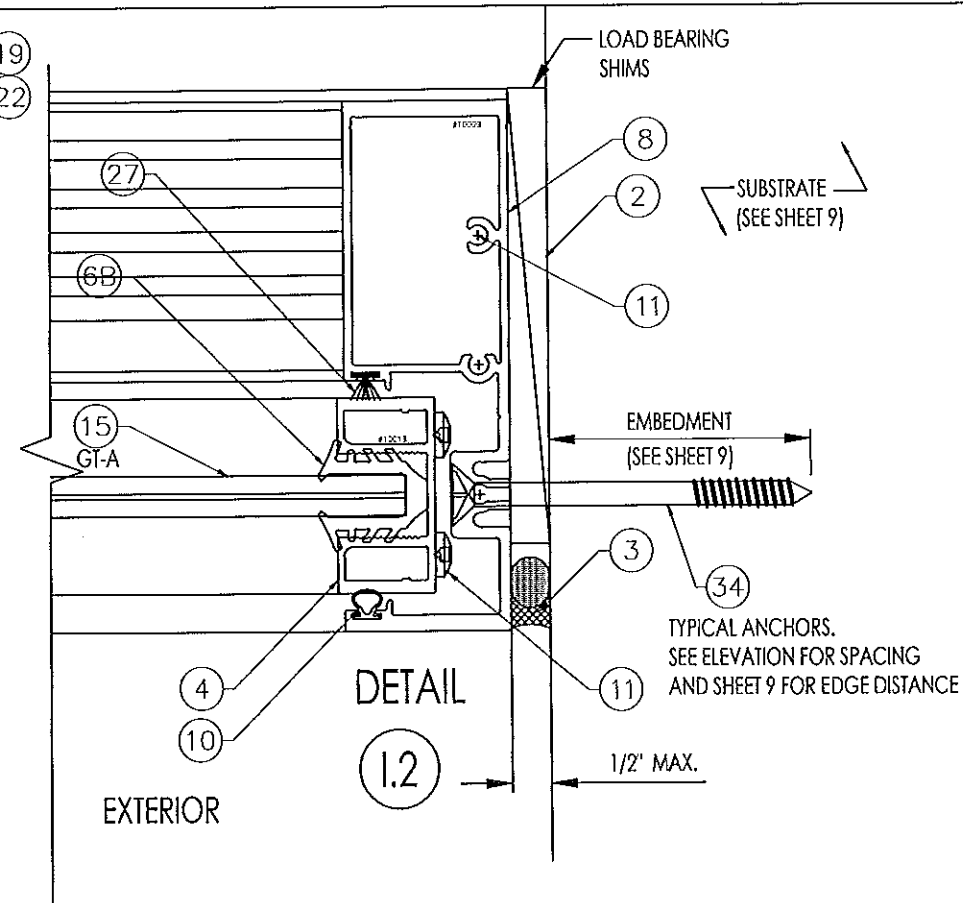
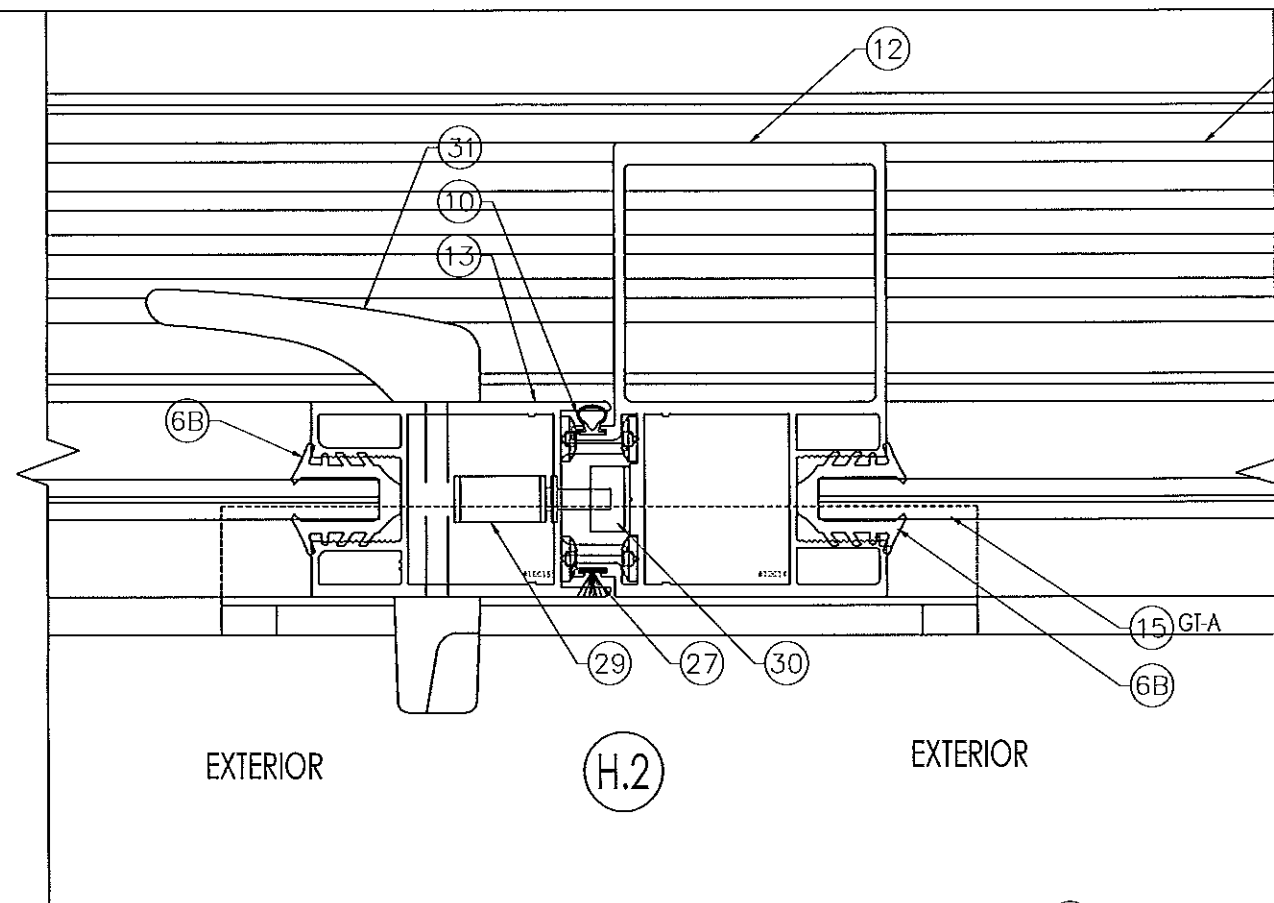
SHEET 16 of 20

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NOA# 14-0331.03
Miami Dade Product Control
By [Signature]

NOTE TO USER:

DETAILS APPLY FOR SYSTEM 2.

REFER TO GT-A (SHEET 7) FOR GLASS COMPOSITION
AND GLAZING DETAIL AND TO ELEVATIONS FOR DESIGN
PRESSURE AND SIZES



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Date 12/11/14
NOA 14-0531-03
Miami Dade Product Control
By [Signature]

NOTE TO USER:
DETAILS APPLY FOR SYSTEM 2.
REFER TO GT-A (SHEET 7) FOR GLASS COMPOSITION
AND GLAZING DETAIL AND TO ELEVATIONS FOR DESIGN
PRESSURE AND SIZES

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PROJECT NAME

ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE

SYSTEM 2
INSTALLATION
DETAILS

SCALE:

PREPARED BY:
EPSILON USA

DRAWN BY:
J.D.

ISSUE DATE:
3/22/2014

ISSUE DATE:

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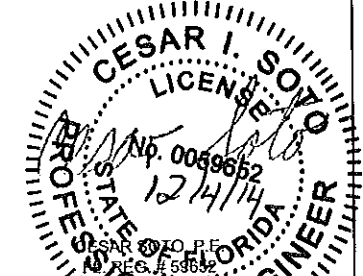
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BILL OF MATERIALS

ITEM	PAT NUMBER, DESCRIPTION	MATERIAL	QUANTITY / SPACING	MANUFACTURER
1	HEAD AND SILL ANCHOR. REFER TO ANCHOR SCHEDULES FOR SYSTEMS 1 AND 2	CARBON STEEL	REFER TO ELEVATIONS	SEE SCHEDULE
2	LOAD BEARING SHIM	-	AS REQUIRED	
3	SILICONE SEALANT AND BACKER ROD.	-	-	
4	10013, FIXED STILE	6063-T6	AS REQUIRED	EPSYLON
5	10007, FRAME HEAD	6063-T6	AS REQUIRED	EPSYLON
6A	91000, TREMCO GLAZING GASKET FOR 9/16" THK. GLASS AT SYSTEM 1 (IR-20114E)	EPDM, DURO 60	AS REQUIRED	TREMCO
6B	91007, TREMCO GLAZING GASKET FOR 7/16" THK. GLASS AT SYSTEM 2 (IR-20127E)	EPDM, DURO 60	AS REQUIRED	TREMCO
7	91003, TREMCO VINYL	-	-	TREMCO
8	10009, FRAME JAMB	6063-T6	AS REQUIRED	EPSYLON
9	10005, INTERLOCK STILE	6063-T6 AT STIFF OPTION (SYSTEM 1) 6005-T5 AT STD OPTION (SYSTEM 2)	AS REQUIRED	EPSYLON
10	91002, TREMCO VYNIL	-	-	TREMCO
11	1/4-20 X 1" LG. SMS ST/ST	304 ST/ST	AS REQUIRED	
12	10014, ASTRAGAL-MEETING STILE	6063-T6	AS REQUIRED	EPSYLON
13	10015, LOCK-MEETING STILE	6063T-6	AS REQUIRED	EPSYLON
14	10006, FIXED BOTTOM RAIL	6063-T6	AS REQUIRED	EPSYLON
15	LAMINATED GLASS. REFER TO GTA (SYSTEM 2) OR GTB (SYSTEM 1)	-	-	
16	10002, TOP RAIL	6063-T6	AS REQUIRED	EPSYLON
18	10008, FRAME SILL	6063-T6	AS REQUIRED	EPSYLON
19	10012, THRESHOLD SNAP TRACK ADAPTER	6063-T6	AS REQUIRED	EPSYLON
20	10004, MOVING BOTTOM RAIL	6063-T6	AS REQUIRED	EPSYLON
21	10001, JAMB LOCK STILE	6063-T6	AS REQUIRED	EPSYLON
22	10010, HEAD SNAP-ON ADAPTER	6063-T6	AS REQUIRED	EPSYLON
23	39.13.00.202, TRUTH TANDEM ST/ST ROLLER ASSEMBLY	ST/ST	2 / MOV. PANEL	
24	10003, STIFF INTERLOCK AT SYSTEM 1 ONLY	6063-T6	AS REQUIRED	
25	91006, WTSP GASKET X 1/2" LG.	EPDM, DURO 80	-	
27	W71435NK0000, ULTRAFAB WTSP PILE	-	-	
29	22063, TRUTH MORTISE LOCK. 3 POINT LOCK	-	-	TRUTH
30	22439, TRUTH KEEPER	-	-	TRUTH
31	TRUTH HANDLE	-	-	TRUTH
34	JAMB ANCHORS. REFER TO ANCHOR SCHEDULES ON SHEET 9	CARBON STEEL	REFER TO ELEVATIONS	
36	10017, ALUMINUM STOPPER ANGLE	6063-T6	AT INTERLOCKS AND MEETING PANELS	EPSYLON
37	10028, ALUMINUM SHEAR BAR	6063-T6	AT SILL ANCHOR CLUSTERS.	EPSYLON

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Date 12/11/14
NOAH 14-0331-03
Miami Dade Product Control
By Ishag I. Chaudhary

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PROJECT NAME
ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT

SHEET TITLE
BILL OF MATERIALS

SCALE:

PREPARED BY: EPSYLON USA	DRAWN BY: JD
ISSUE DATE: 3/22/2014	ISSUE DATE: .

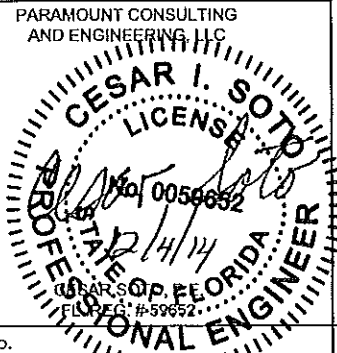
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ENGINEER:

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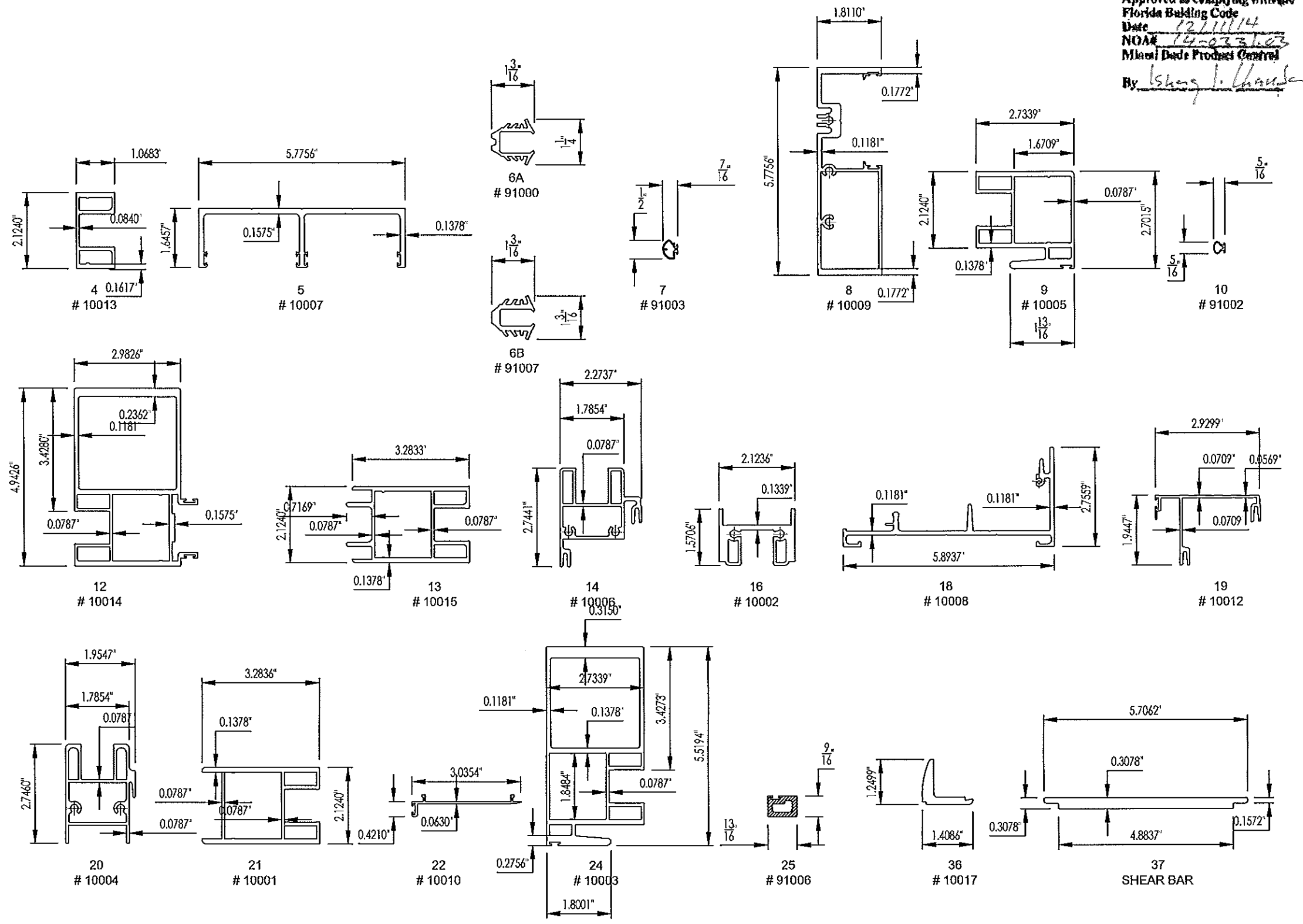
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SHEET 18 of 20

ALUMINUM EXTRUSION DIMENSIONS



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Date 12/11/14
NOA# 14-033163
Miami Dade Product Control
By *Isang L. Han*

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PROJECT NAME
**ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT**

SHEET TITLE
ALUMINUM PARTS
SCALE: 1" = 1'-0"

PREPARED BY: EPSILON USA	DRAWN BY: JD
ISSUE DATE: 3/22/2014	ISSUE DATE:

DRAWING REVISION LOG		
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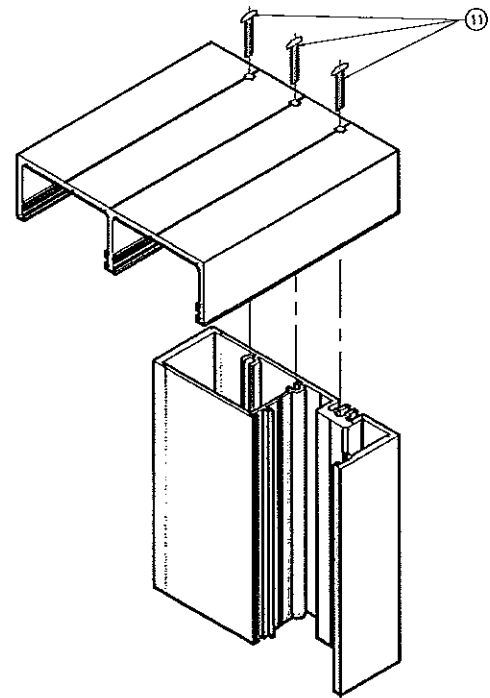
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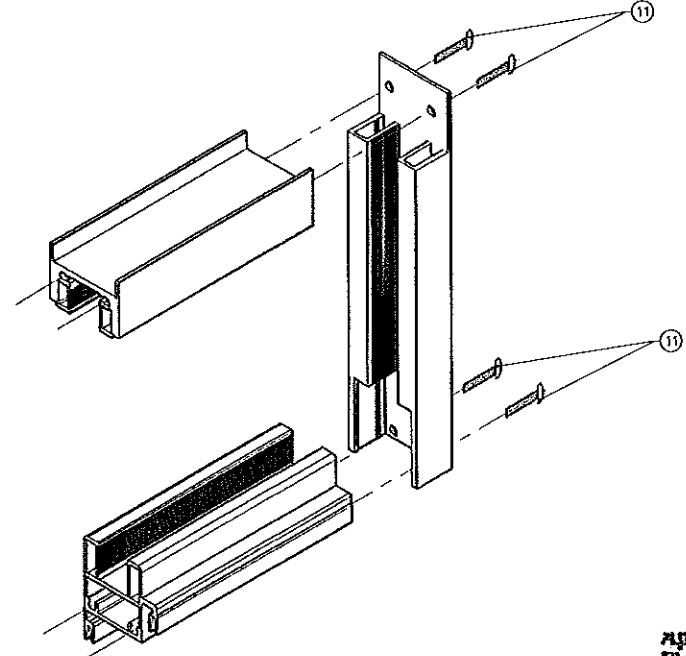
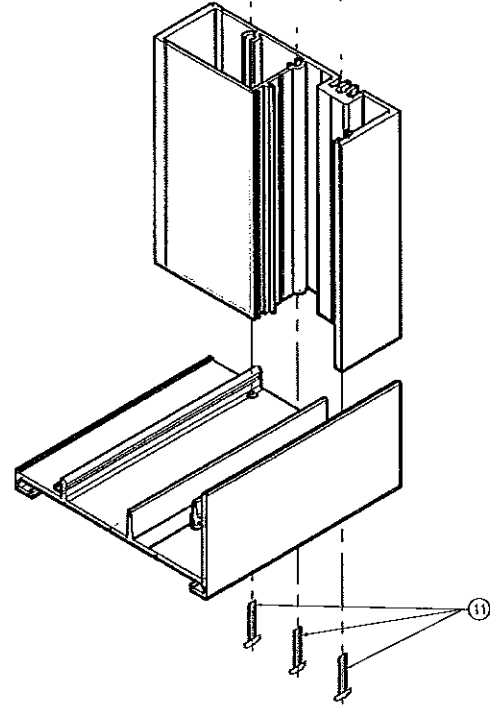
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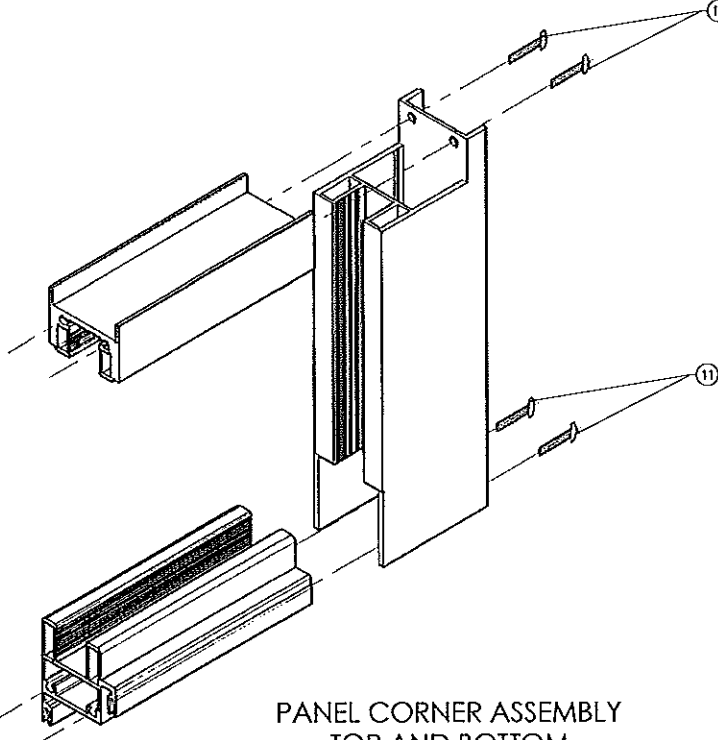
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EUSA-3001-002
SHEET 19 of 20



FRAME CORNER ASSEMBLY
TOP AND BOTTOM



PANEL CORNER ASSEMBLY
TOP AND BOTTOM



PANEL CORNER ASSEMBLY
TOP AND BOTTOM

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NOA# 14-0331-P3
Miami Date Product Control
By [Signature]

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www.epsylon.ca

PROJECT NAME
**ALUMINUM SLIDING GLASS
DOOR SERIES SD20.
SMALL MISSILE IMPACT**

SHEET TITLE
ISOMETRIC DRAWINGS

SCALE:

PREPARED BY: EPSILON USA	DRAWN BY: J.D
ISSUE DATE: 3/22/2014	ISSUE DATE:

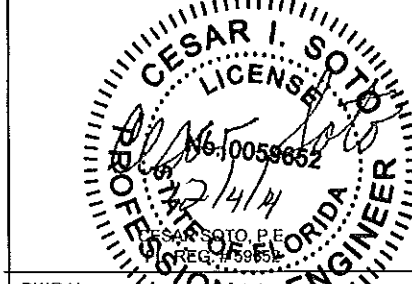
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03	11/25/14	PER REVIEWER COMMENTS

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